"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

KUDRYAVTSEV, N.T.; MEL'NIKOVA, M.M.; ZHAGRIN, V.Ye.

Some regularities of the cathodic process in the electrodeposition of iron-zinc alloy from a boron hydrofluoric electrolyte. Zhur. prikl. khim. 37 no.9:1946-1951 S '64.

(MIRA 17:10)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

AGAFONOV, V.A., inzh., ZHAGROV, Ye.A., inzh.

Investigating sliding bearings of high-speed machines. Vest.mash. 40 no.12:29-32 D '60. (MIRA 13:12)

(Bearings (Machinery))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

S/122/60/000/012/007/018
A161/A130

AUTHORS: Agafonov, V. A., and Zhagrov, Ye. A., Engineers

TITLE: An investigation method for journal bearings of high-speed machines

PERIODICAL: Vestnik mashinostroyeniya, no. 12, 1960, 29 - 32

TEXT: The Tsentral'nyy kotloturbinnyy institut imeni I. I. Polzunova (Central Boiler and Turbine Institute imeni I. I. Polzunov) has conducted experiments and studied the behavior of the oil wedge in plain journal bearings of types used for turbine shafts. The special test rig (Fig. 1) is described. The bushings were made of transparent organic sheet glass, a thermocouple built in to contact oil inside, small 2.25 w light bulbs inserted into the glass bushings close to work surface, and the oil film photographed with a "Kiyev" camera. The second (not studied) shaft bearing in the rig was of self-adjusting radial-spherical type. The maximum shaft velocity was 6,000 rpm, oil temperature 50 - 60°C, sliding velocity 30 - 35 m/sec, and load up to 6 kg/cm^2. Static load was produced by a lever system, and centrifugal load by weights on the rotor wheel. A photo shows clearly that the oil film split into filaments in the upper half of the bush. Pressure within the oil film was measured with an especially built set. Its work principle

Card 1/4

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An investigation method for...

S/122/60/000/012/007/018
A161/A130

is frequency modulation. The high-frequency oscillator is built on an especially chosen ПІЕ (PIYe) transistor and has contactless communication to the receiver. The produced signal frequency is from zero to 20 kc, which is more than sufficient for the purpose. The article includes detailed description of this system operation. The oscillator was enclosed into an organic glass cylinder together with the feed unit consisting of 1.5 voltaic cells and placed into the shaft bore. The measured values were recorded with a МПО-2 (MPO-2) loop oscillograph. The relative gap in this bearing was 0.0023 (taking the bush length for unit). A considerable zone of pressure below the atmospheric was obviously present in the half of the bush free of load. It was stated in numerous measurements of the hydrodynamic pressure distribution that vacuum in the half free of load bearing reached 700 mm Hg and moreat high sliding speed, despite the relatively high oil feed pressure (up to 3.5 kg/cm^2). The trajectory of the shaft axis motion was measured with an electronic instrument designed at the Central Boiler and Turbine Institute. It included small inductive pickups placed in two planes at right angles. The method may be employed for determining the oil film depth in bearings. There are 5 figures and 1 Soviet-bloc reference.

Card 2/4

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGROVA, L.F., inzhener

Static characteristics and critical slippage of a machine with transverse-longitudinal excitation. Izv. vys. ucheb. zav.; energ. 5 no.7:1-8 Jl '62. (MIRA 15:7)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy elektricheskikh stantsiy.

(Electric machinery)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGROVA, L.F., inzh.

Dynamic stability of machines with longitudinally-transverse field excitation and method for compensating the reactive resistance of the rotor winding. Izv. vys. ucheb. zav.; energ. 5 no.9:1-8 S '62.
(MIRA 15:10)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy elektricheskikh stantsiy.
(Electric machinery)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

DANILEVICH, M.G.; ZHAGULO, Ye.M.; KURILEVA, O.M.

Scarlet fever today and leading problems in its control. Pediatriia 39 no.4:3-10 Jl-Ag '56. (MLRA 9:12)

1. Iz Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - prof. N.T.Shutova) i kafedry detskikh infektsionnykh bolezney (zav. - prof. M.G.Danilevich)
(SCARLET FEVER, prev. and control in Russia)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGPAROVA, M. Zh.

20943 Zhagparova, M. Zh. K Voprosu o primenenii metoda RSK pri pleuropnevmonii (kebeneke) koz. Izvestiya Akad. Nauk Kazakh. SSR, No. 61, Seriya biol., vyp. 4, 1949, s. 39048.--Rezyume na Kazakh. yaz.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGRIN, A.G.

Method for the removal of neuro-ectodermal cerebral tumors [with summary in English]. Vop.neirokhir. 22 no.3:45-47 My-Je '58 (MIRA 11:8)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(BRAIN NEOPLASMS, surgery
neuro-ectodermal tumors (Rus))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

KOREYSHA, L.A., prof.; ZHAGRIN, A.G.; LYASS, F.M.; SPIRIN, B.G.; GABELOVA, N.A., (Moskva)

Study of hemodynamics in patients with focal diseases of the central nervous system with the aid of labelled sodium. Vop. neirokhir. 27 no.1 Ja-F '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut neyrokhirurgii imeni N.N.Burdenko AMN SSSR.
(NERVOUS SYSTEM—DISEASES) (SODIUM ISOTOPES)
(BLOOD—CIRCULATION)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGRIN, A. G.

ZHAGRIN, A. G. - "Surgical Approach for the Removal of Cranioorbital Tumors," Acad Med Sci USSR, Moscow, 1954.
(Dissertation for the degree of Candidate in Sciences)

SO: Knizhnaya Letopis', No. 33, 1955, pp. 85-87

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGRIN, A.G.

Anatomical characteristics of the anterior cranial fossa and the orbit important in simultaneous surgery of the orbit and cranial cavity. Vop. neirokhir. 18 no.5:10-17 S-O '54. (MLRA 7:11)

1. Iz Instituta neyrokhirurgii imeni N.N.Burdenko Akademii meditsinskikh nauk SSSR.

(ORBIT, surgery,
simultaneous surg. of orbit & cranium, anat. aspects)
(CRANIUM, surgery,
simultaneous surg. of orbit & cranium, anat. aspects)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGRIN, A.G.

Surgical approach to cranio-orbital tumors. Vop.neirokhir. 19 no.3: 37-43 My-Je '55. (MLRA 8:5)

1. Iz Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni akad. N.N.Burdenko Akademii meditsinskikh nauk SSSR.
(ORBIT, neoplasms, surg., approach)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ACC NR: AP6021466 SOURCE CODE: UR/0143/66/000/011/0085/0086

INVENTOR: Zhagullo, O. M.

ORG: None

TITLE: An automatic color pyrometer. Class 42, No. 182368

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 85-86

TOPIC TAGS: optic pyrometer, electronic measurement

ABSTRACT: This Author's Certificate introduces an automatic color pyrometer which contains a pickup connected through a synchronous switch to an alternating square pulse circuit followed by a circuit for comparing two signals. The unit is designed for eliminating the effect which the finite limits of the dynamic range in the electronic channel of the measurement system have on the operation of the pyrometer over a wide temperature interval. A blocking generator in the comparison circuit of the pyrometer is connected at the output through a controlled diode to the reversible electric motor of the indicator.

Card 1/2

UDC: 536.521.082.52

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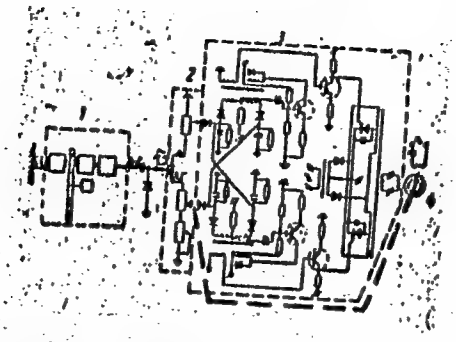
ACC NR: AP6021466



1--pickup; 2--measurement system; 3--comparison circuit; 4--reversivle electric motor

SUB CODE: 09, 14/ SUBM DATE: 20Feb65

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGULO, P.M.

Automation of machining on centerless grinding machines at the Gor'kiy Automobile Plant. Trudy Stud. nauch. ob-va LIET no.3: 81-87 '59. (MIRA 16:10)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

KUZ'MICHEVA, A.T.; ZHAGULLO, Ye.M.

Some tasks in the control of Botkin's disease in children. Vop. okh.mat.i det. 8 no.3:3-8 Mr '63. (MIRA 16:5)

1. Iz kafedry infektsionnykh bolezney u detey (zav. A.T. Kuz'micheva) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. Ye.P. Semenova).

(HEPATITIS, INFECTIOUS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGULO, Ye. M.; KURYLEVA, O. M.; DANILEVICH, M. G.

"Modern status of the problem of combatting scarlet fever."

Report submitted by the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists. 1959

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAGVARAL, N., kand.ekonom.nauk, red.

[The Mongolian People's Republic] Mongol'skaia Narodnaia Respublika. Ulan-Bator, Komitet nauk Mongol'skoi Narodnoi Respubliki, 1956. 123 p.
(Mongolia) (MIRA 13:7)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

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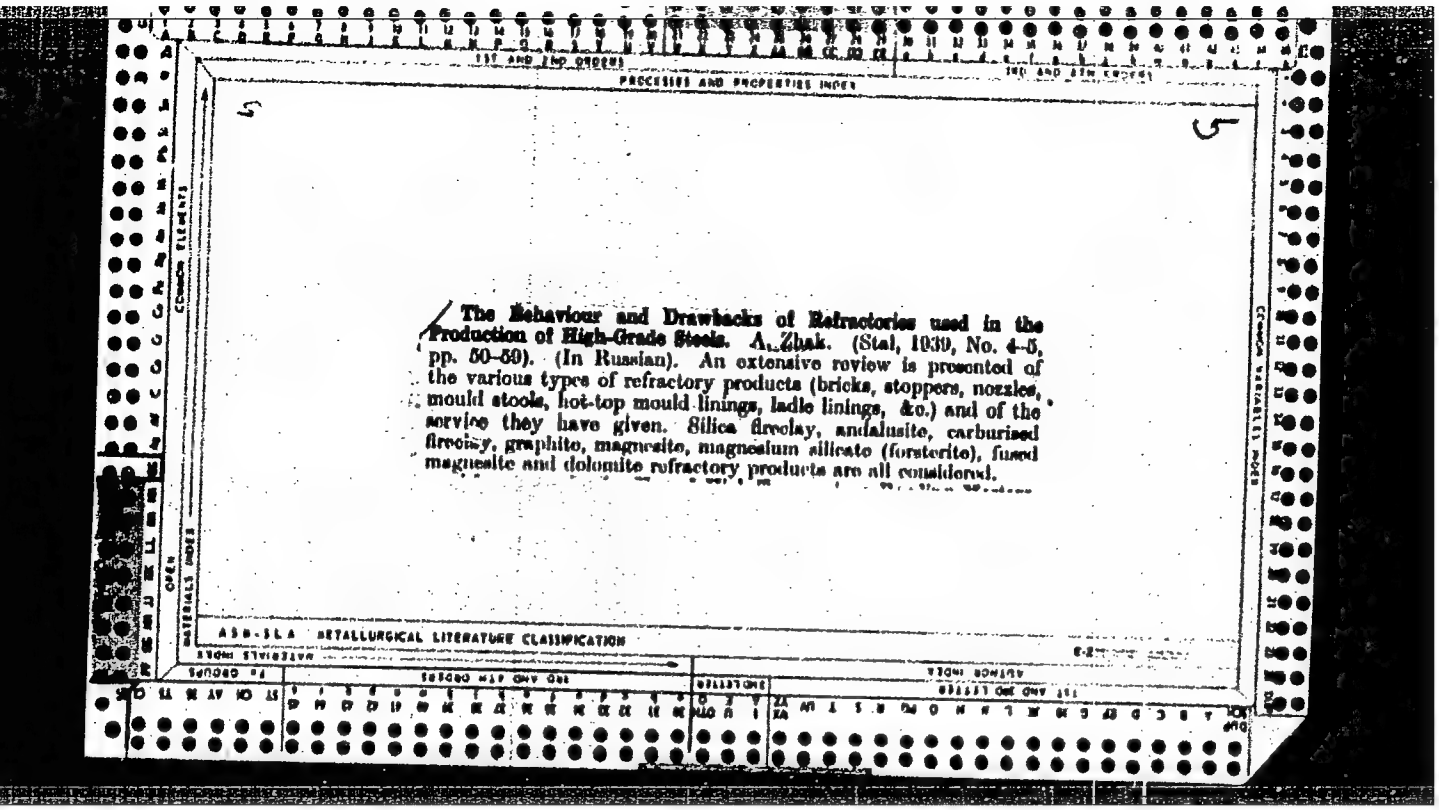

The Behaviour and Drawbacks of Refractories used in the Production of High-Grade Steels. A. Zhak. (Stal, 1939, No. 4–5, pp. 50–59). (In Russian). An extensive review is presented of the various types of refractory products (bricks, stoppers, nozzles, mould stools, hot-top mould linings, ladle linings, &c.) and of the service they have given. Silica fireclay, andalusite, carburised fireclay, graphite, magnesite, magnesium silicate (forsterite), fused magnesite and dolomite refractory products are all considered.

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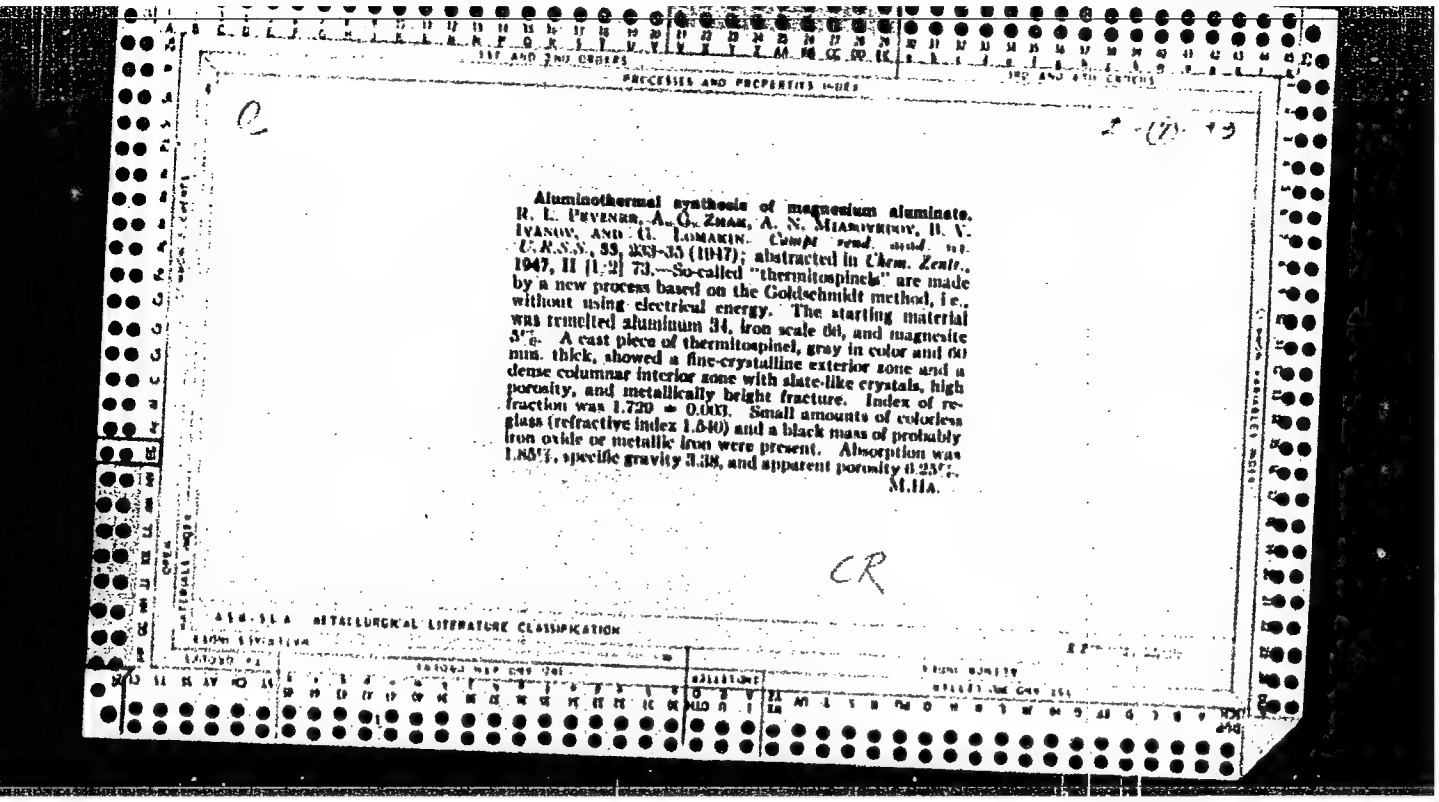

PROCESSES AND PROPERTIES INDEX

C

Aluminothermal synthesis of magnesium aluminate. R. L. Pevzner, A. G. Zhak, A. N. Miasnikov, B. V. Ivanov, and G. Lomakin. *Compt. rend. acad. sci. U.R.S.S.*, 55 333-35 (1947); abstracted in *Chem. Zentr.*, 1947, II [1,2] 73.—So-called "thermitospinels" are made by a new process based on the Goldschmidt method, i.e., without using electrical energy. The starting material was remelted aluminum 34, iron scale 66, and magnesite 5%. A cast piece of thermitospinel, gray in color and 60 mm. thick, showed a fine-crystalline exterior zone and a dense columnar interior zone with slate-like crystals, high porosity, and metallically bright fracture. Index of refraction was 1.720 ± 0.003. Small amounts of colorless glass (refractive index 1.540) and a black mass of probably iron oxide or metallic iron were present. Absorption was 1.85%, specific gravity 3.38, and apparent porosity 6.25%. M.Ha.

CR

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, A.M., inzh.

Making ferromanganese from a sinter of Nikopol' deposit manganese ores. Met. i gornorud. prom. no.5:9-10 S-O '63. (MIRA 16:11)

1. Metallurgicheskiy zavod im. Petrovskogo.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

KOROBOV, I.I., inzh.; MUROVOV, V.I., inzh.; GONCHAROV, P.G., inzh.; ZHAK, A.M., inzh.

Process of making ferromanganese in the blast furnace. Stal' 21 no.2:107-108 F '61. (MIRA 14:3)

1. Metallurgicheskiy zavod im. Petrovskogo.
(Ferromanganese)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

GIMMEL'FARB, A.A., kand. tekhn. nauk; LIKHORADOV, A.P.; ZHEMBUS, M.D.; ZHAK, A.M.

Increasing the strength of fluxed sinter. Met. i gornorud. prom. no.6:7-11 N-D '65. (MIRA 18:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

LIKHORADOV, A.P.; ZHIGULIN, V.I.; ZHEMBUS, M.D.; RUDAKOV, V.F.; KOTOV, K.I.; ZHAK, A.M.; TSYMBALYUK, V.Yu.; FILIMONOV, V.V.

Service of the lining and cooling equipment of a blast furnace in the smelting of ferromanganese. Metallurg 10 no.10:12-14 O '65. (MIRA 18:10)

1. Zavod im. Petrovskogo.

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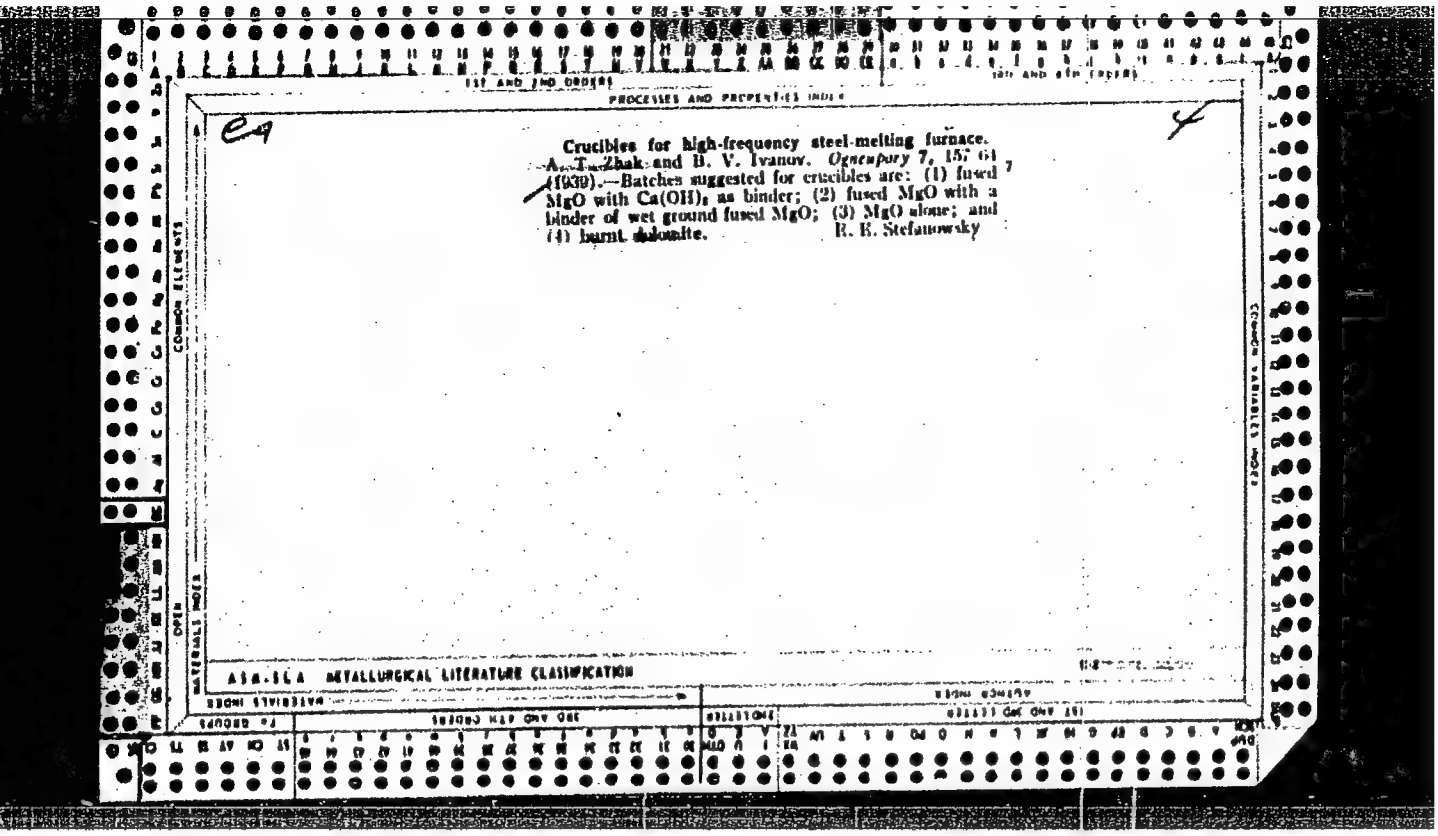

PROCESSES AND PROPERTIES INDEX

C4

Crucibles for high-frequency steel-melting furnace. A. T. Zhak and B. V. Ivanov. *Ogneupory* 7, 157-61 (1939).—Batches suggested for crucibles are: (1) fused MgO with $Ca(OH)_2$ as binder; (2) fused MgO with a binder of wet ground fused MgO; (3) MgO alone; and (4) burnt dolomite. R. B. Stefanowsky

4

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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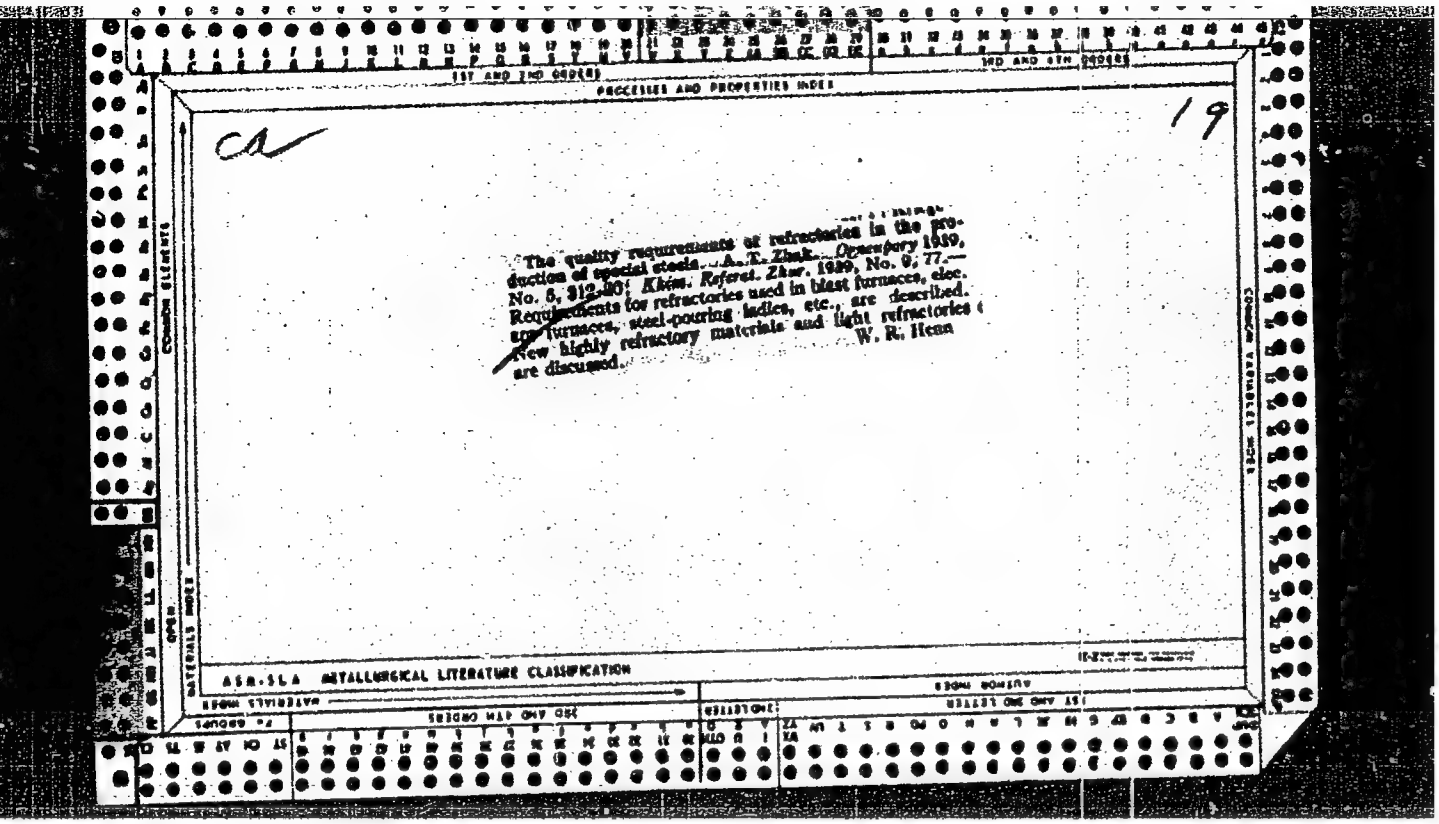

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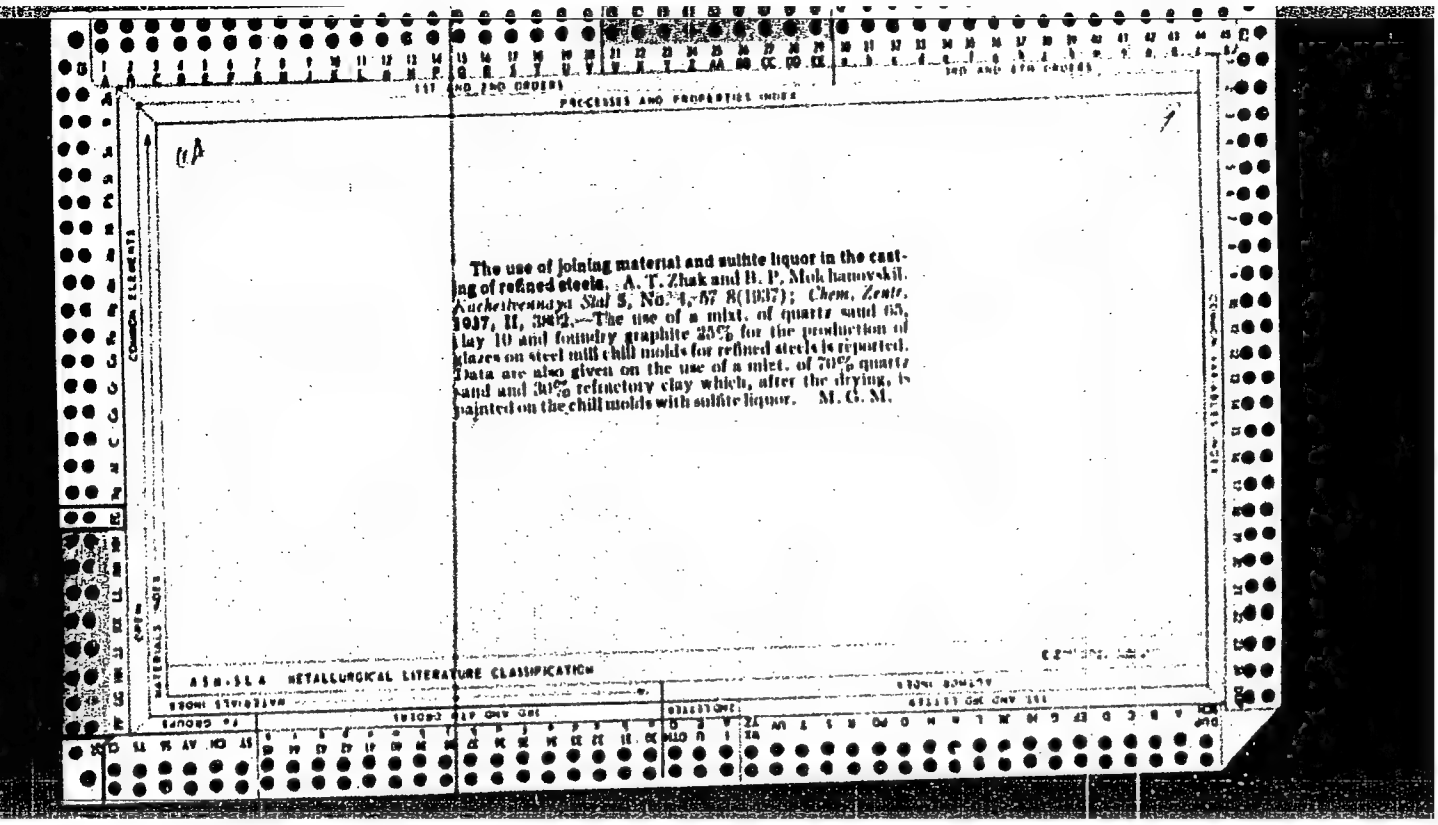

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

COMMON ELEMENTS

MATERIALS INDEX

The use of joining material and sulfite liquor in the casting of refined steels. A. T. Zhak and B. P. Mokhanovskii. *Kachestvennaya Stal* 5, No. 4, 57-8(1937); *Chem. Zentr.* 1937, II, 3802.—The use of a mixt. of quartz sand 65, clay 10 and foundry graphite 25% for the production of glazes on steel mill chill molds for refined steels is reported. Data are also given on the use of a mixt. of 70% quartz sand and 30% refractory clay which, after the drying, is painted on the chill molds with sulfite liquor. M. G. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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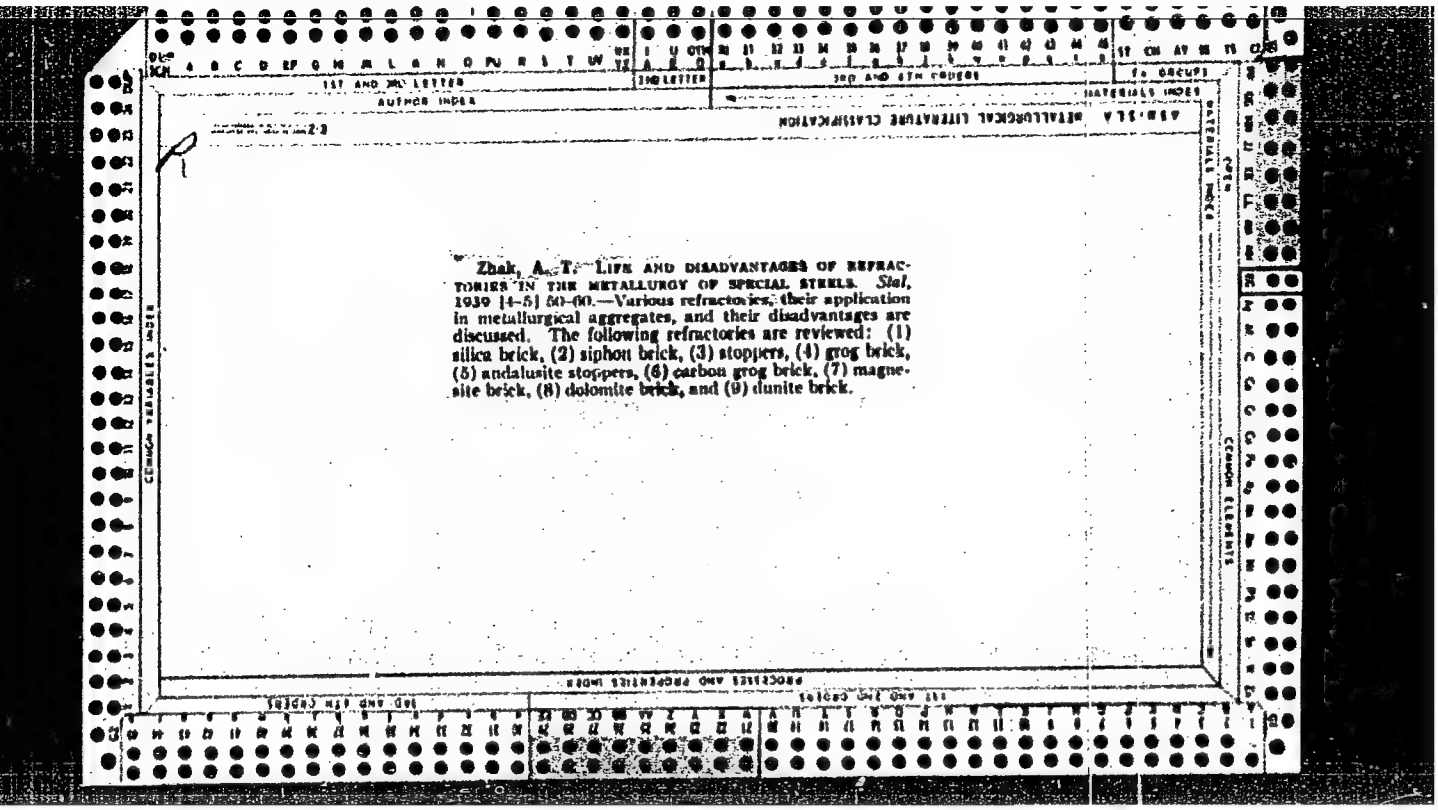

Zhak, A., T. LIFE AND DISADVANTAGES OF REFRACTORIES IN THE METALLURGY OF SPECIAL STEELS. *Stal*, 1939 [4–5] 60–60.—Various refractories, their application in metallurgical aggregates, and their disadvantages are discussed. The following refractories are reviewed: (1) silica brick, (2) siphon brick, (3) stoppers, (4) grog brick, (5) andalusite stoppers, (6) carbon grog brick, (7) magnesite brick, (8) dolomite brick, and (9) dunite brick.

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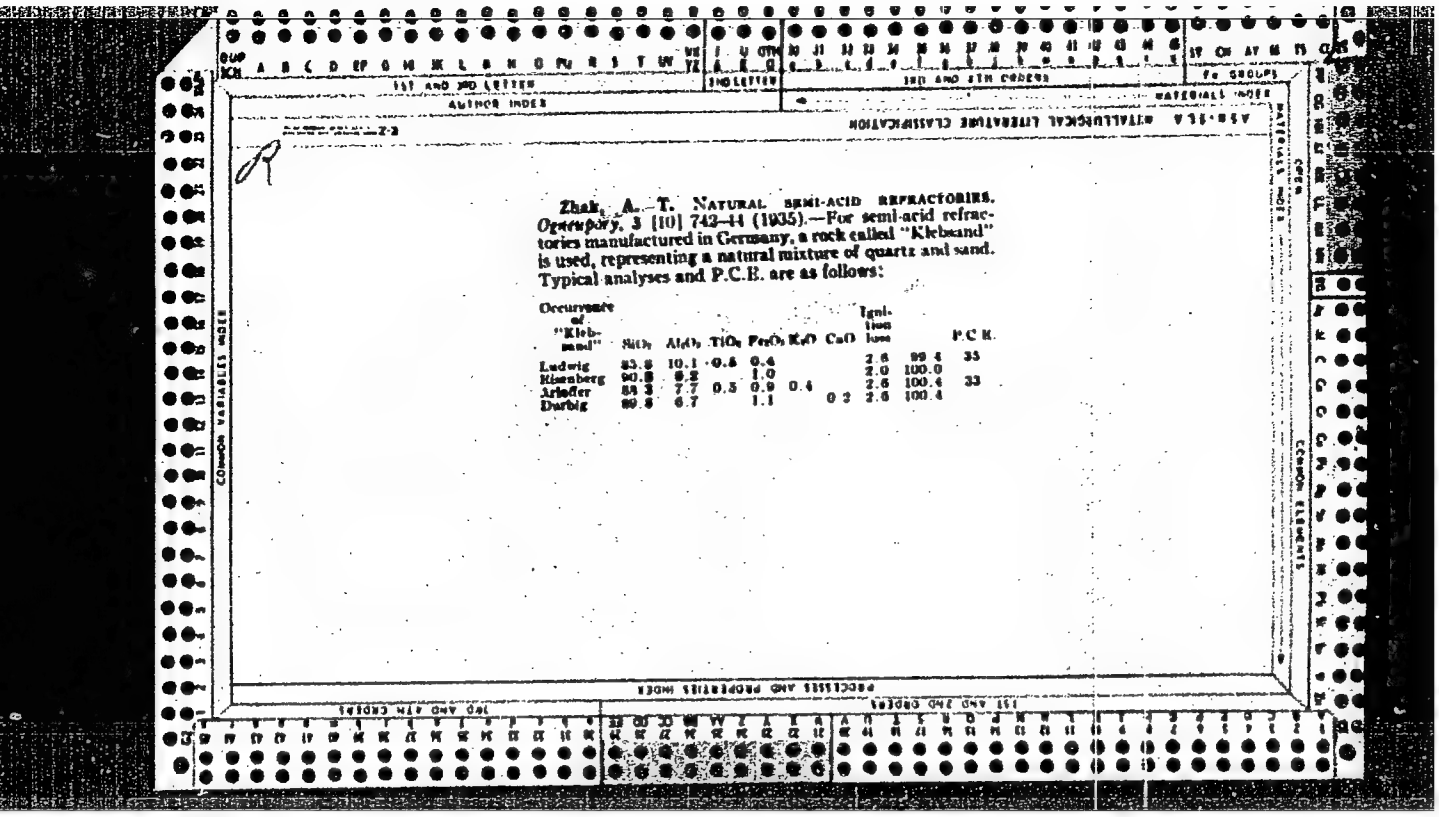

Zhak, A. T. NATURAL SEMI-ACID REFRACTORIES. *Ogneupory*, 3 [10] 742–44 (1935).—For semi-acid refractories manufactured in Germany, a rock called "Klebsand" is used, representing a natural mixture of quartz and sand. Typical analyses and P.C.E. are as follows:

Occurrence of "Klebsand"	SiO_2	Al_2O_3	TiO_2	Fe_2O_3	K_2O	CaO	Ignition loss		P.C.E.
Ludwig	85.8	10.1	0.8	0.4			2.8	99.4	35
Rissenberg	90.8	6.2		1.0			2.0	100.0	
Arloffer	88.3	7.7	0.5	0.9	0.4		2.5	100.4	33
Durbig	89.8	6.7		1.1		0.2	2.5	100.4	

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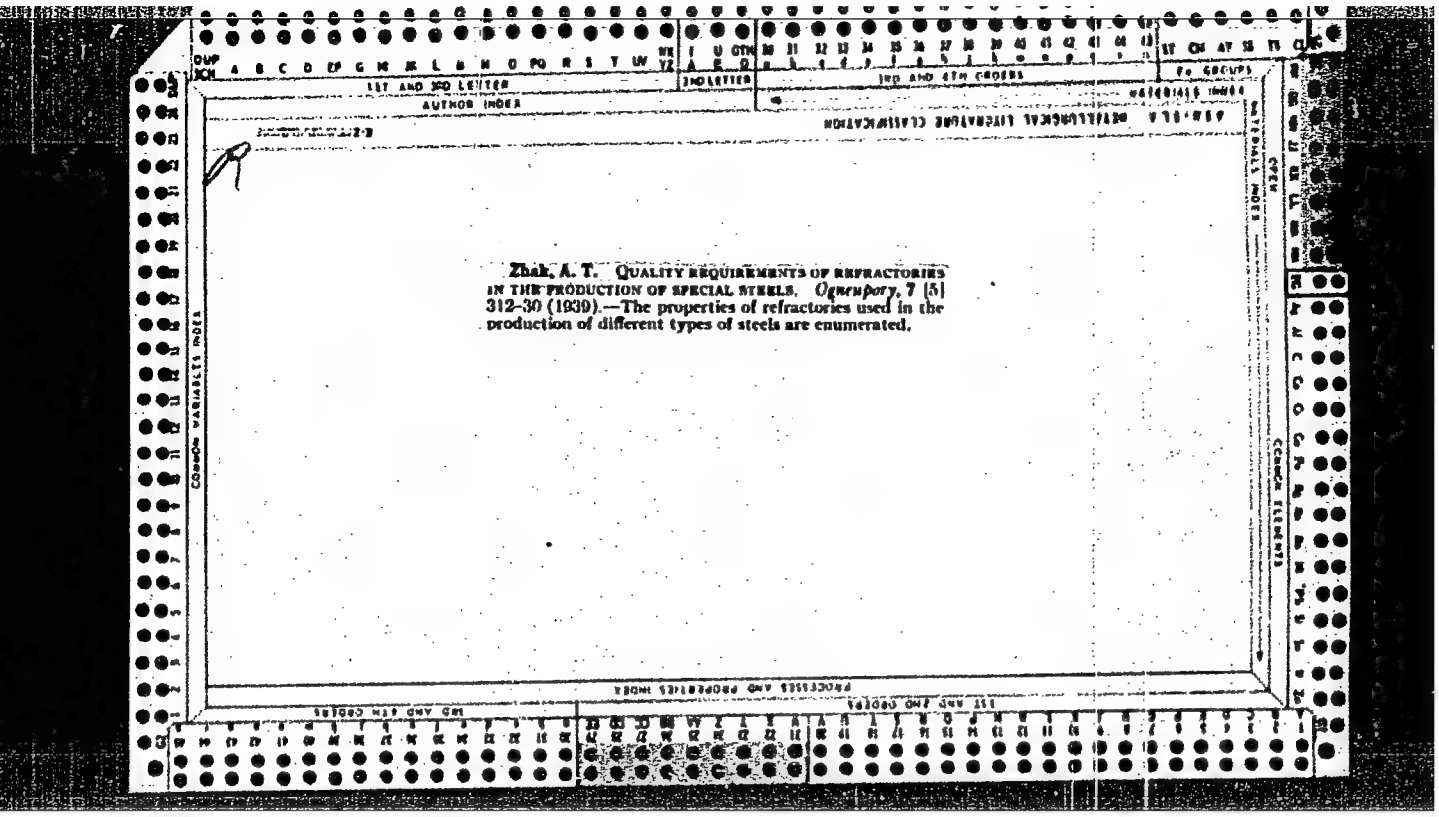

Zbak, A. T. QUALITY REQUIREMENTS OF REFRACTORIES IN THE PRODUCTION OF SPECIAL STEELS. *Ogneupory*, 7 [5] 312–30 (1939).—The properties of refractories used in the production of different types of steels are enumerated.

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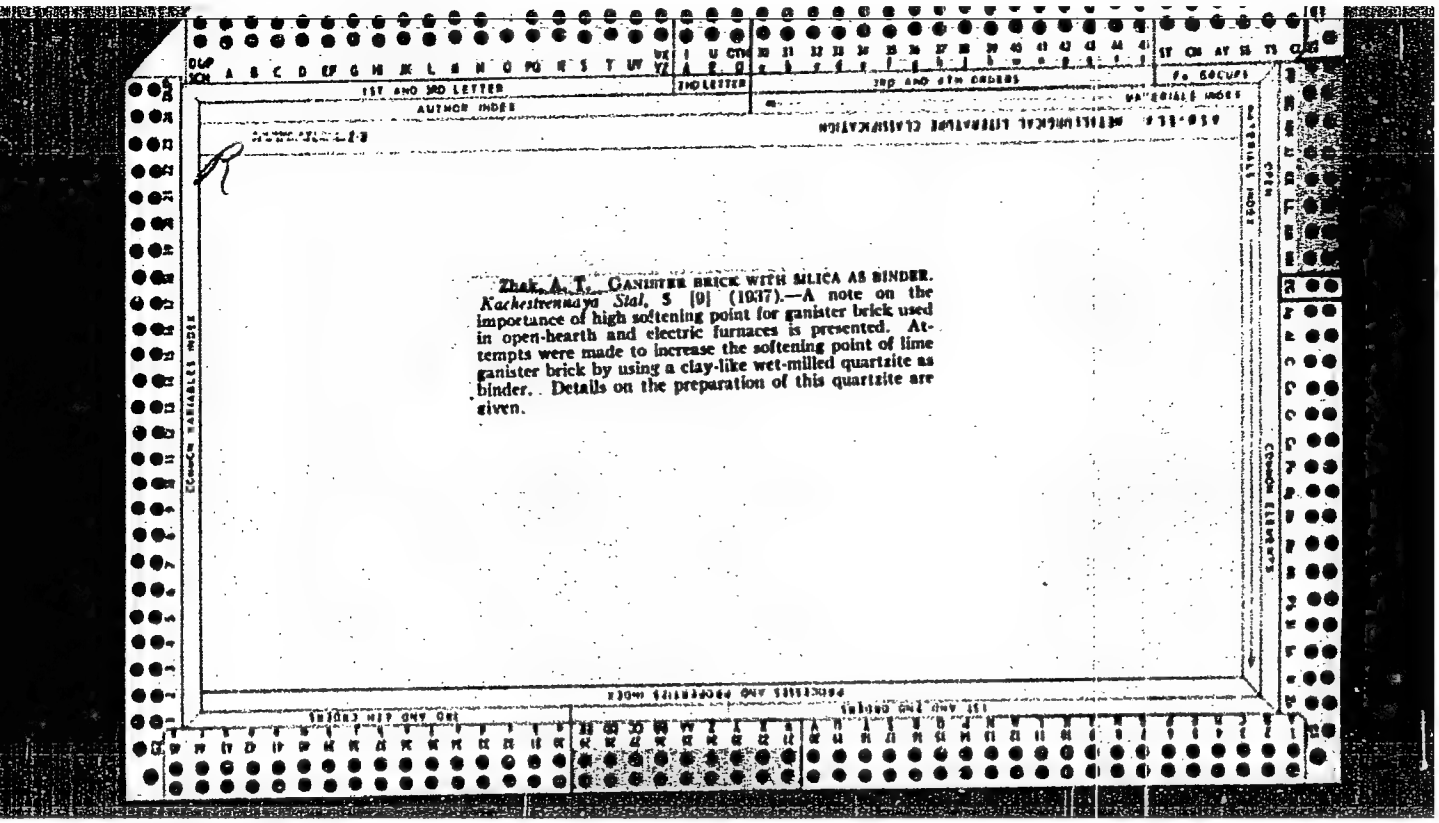

Zhak, A. T., GANISTER BRICK WITH SILICA AS BINDER. *Kacheshtennaya Stal*, 5 [9] (1937).—A note on the importance of high softening point for ganister brick used in open-hearth and electric furnaces is presented. Attempts were made to increase the softening point of lime ganister brick by using a clay-like wet-milled quartzite as binder. Details on the preparation of this quartzite are given.

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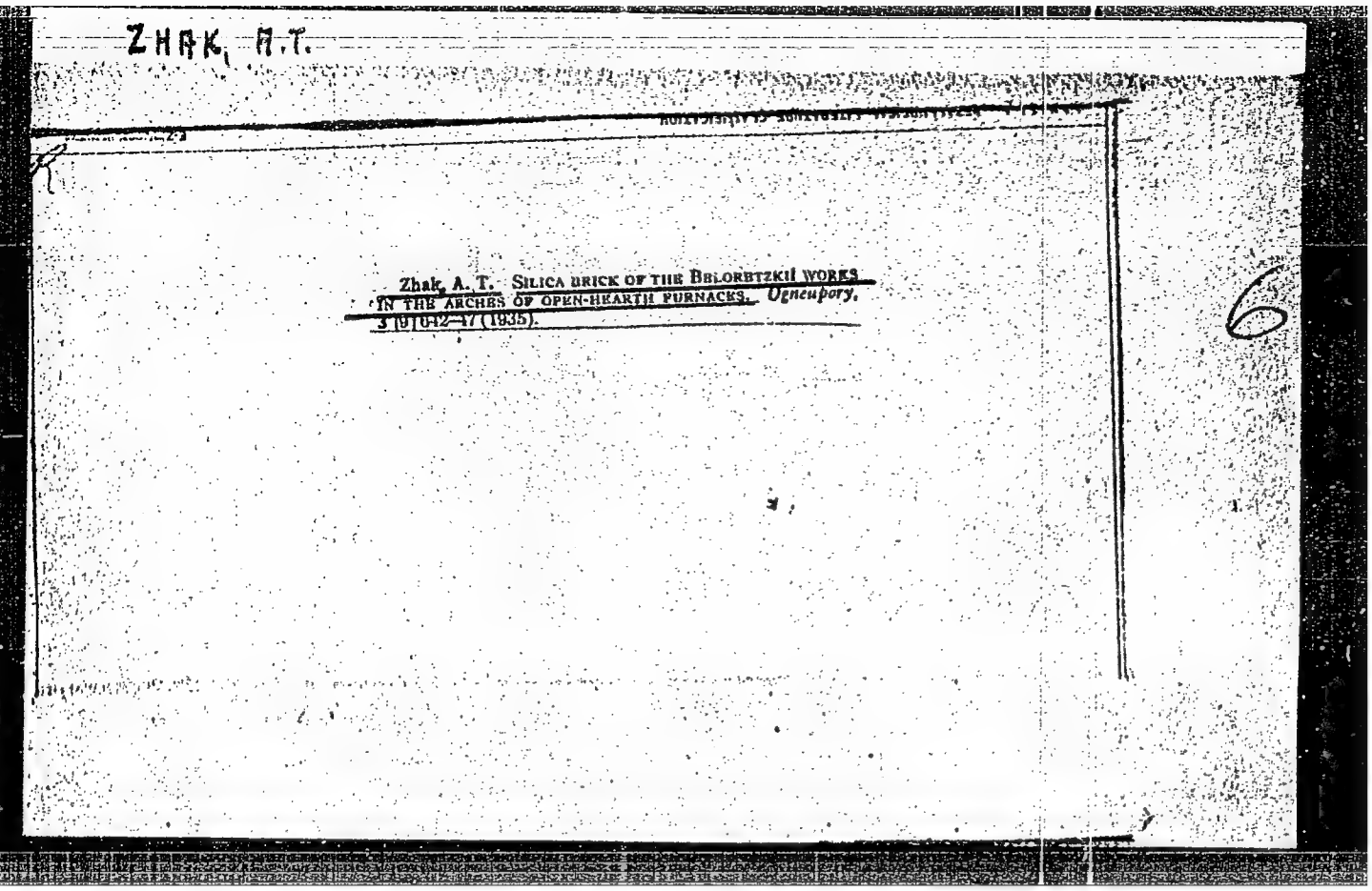
"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0



ZHAK, A.T.

Zhak, A. T. SILICA BRICK OF THE BELORETZKII WORKS IN THE ARCHES OF OPEN-HEARTH FURNACES. *Ogneupory*, 3 [9] 412–17 (1935).

6

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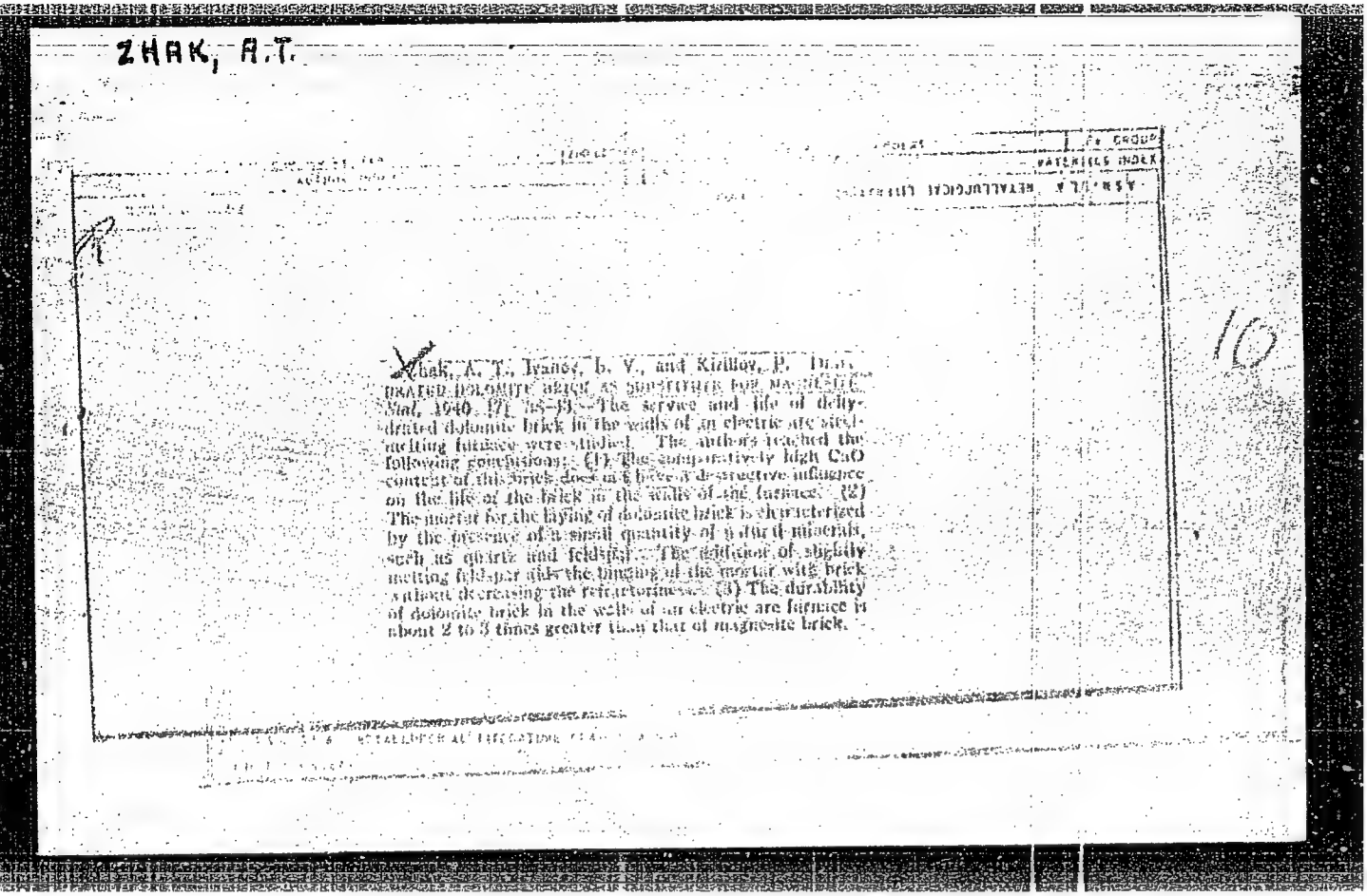

ZHAK, A.T.

10

Zhak, A. T., Ivanov, B. V., and Kirillov, P. [illegible] DEHYDRATED DOLOMITE BRICK AS SUBSTITUTE FOR MAGNESITE BRICK. *Stal*, 1940, [7], 38–39.—The service and life of dehydrated dolomite brick in the walls of an electric arc steel-melting furnace were studied. The authors reached the following conclusions: (1) The comparatively high CaO content of this brick does not have a destructive influence on the life of the brick in the walls of the furnace. (2) The mortar for the laying of dolomite brick is characterized by the presence of a small quantity of natural minerals, such as quartz and feldspar. The addition of slightly melting feldspar aids the binding of the mortar with brick without decreasing the refractoriness. (3) The durability of dolomite brick in the walls of an electric arc furnace is about 2 to 3 times greater than that of magnesite brick.

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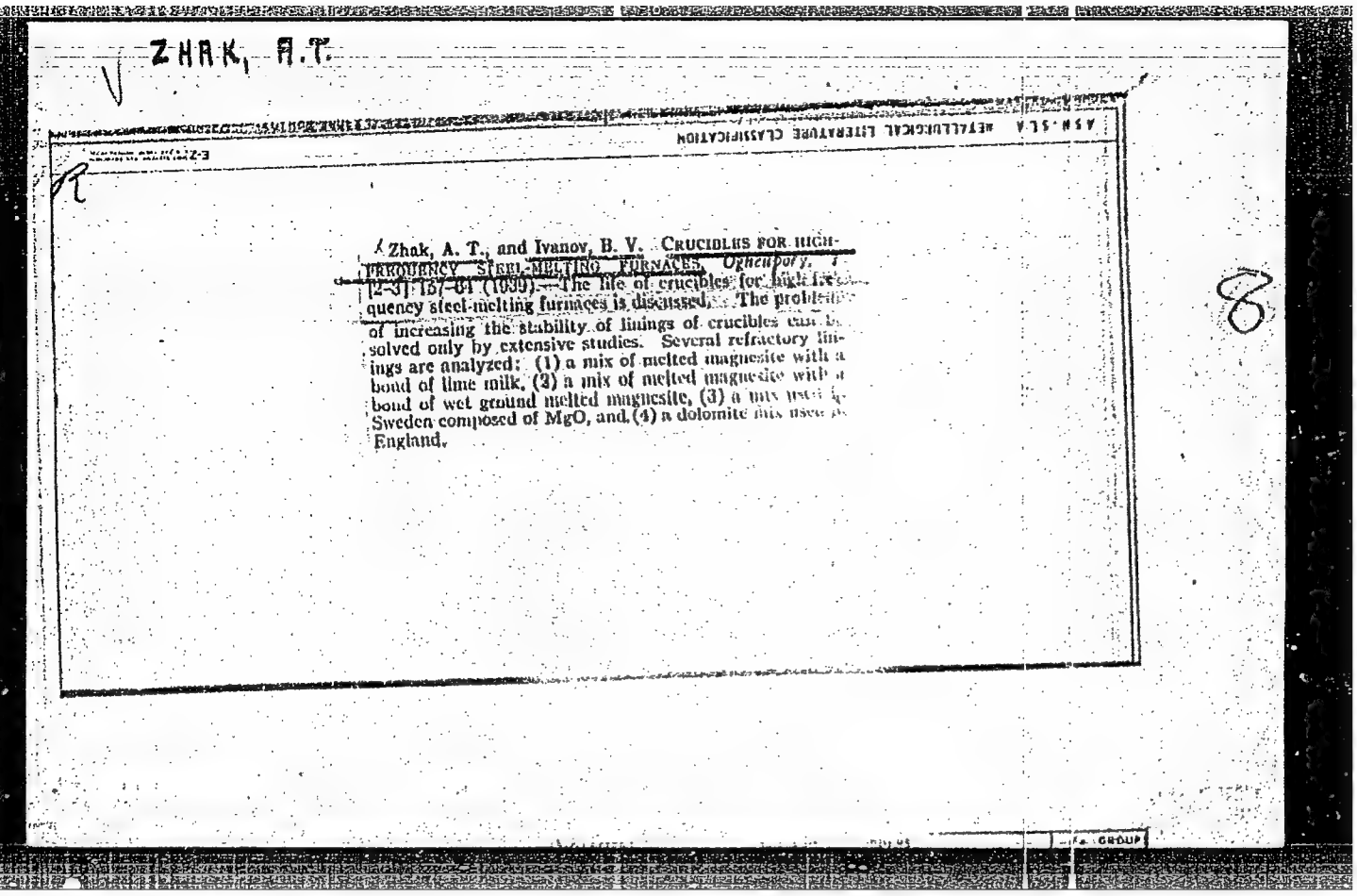

ZHAK, A.T.

Zhak, A. T., and Ivanov, B. V. CRUCIBLES FOR HIGH-FREQUENCY STEEL-MELTING FURNACES. *Ogneupory*, 7 [2-3]: 157-64 (1939).—The life of crucibles for high-frequency steel-melting furnaces is discussed. The problem of increasing the stability of linings of crucibles can be solved only by extensive studies. Several refractory linings are analyzed: (1) a mix of melted magnesite with a bond of lime milk, (2) a mix of melted magnesite with a bond of wet ground melted magnesite, (3) a mix used in Sweden composed of MgO, and (4) a dolomite mix used in England.

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ZHAK, A. T.

Zhak, A. T. SILICA BRICK OF THE BELORETZKII WORKS IN THE ARCHES OF OPEN-HEARTH FURNACES. *Ogneupory*, 3 [9] 642—47 (1935).

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, A. T.

Zhak, A. T., Ivanov, B. V., and Kirillov, P. DEHYDRATED DOLOMITE BRICK AS SUBSTITUTE FOR MAGNESITE Stal, 1940 (7) 38-43.--The service and life of dehydrated dolomite brick in the walls of an electric arc steelmelting furnace were studied. The authors reached the following conclusions: (1) The comparatively high CaO content of this brick does not have a destructive influence on the life of the brick in the walls of the furnace. (2) The mortar for the laying of dolomite brick is characterized by the presence of a small quantity of natural minerals, such as quartz and feldspar. The addition of slightly melting feldspar aids the binding of the mortar with brick without decreasing the refractoriness. (3) The durability of dolomite brick in the walls of an electric arc furnace is about 2 to 3 times greater than that of magnesite brick.

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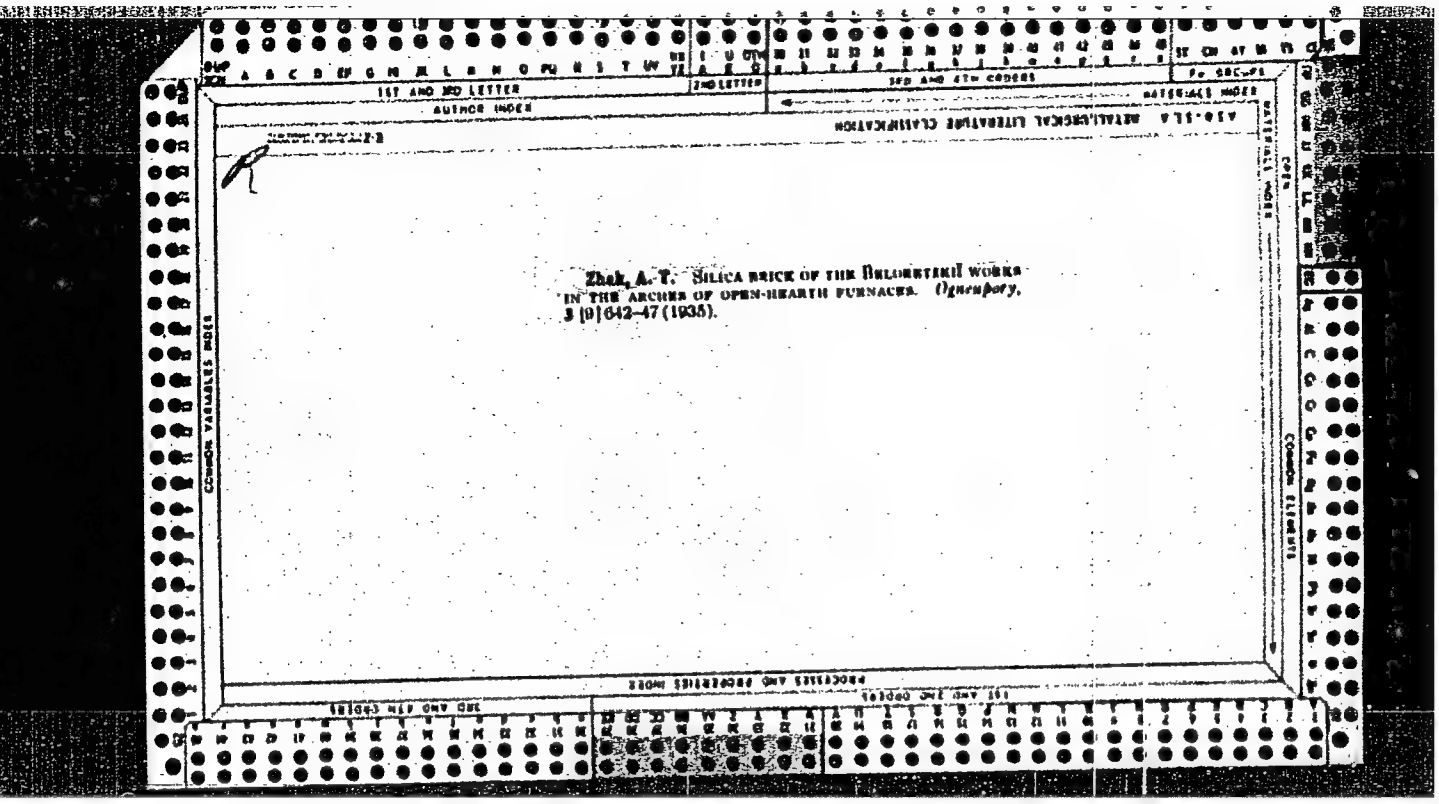

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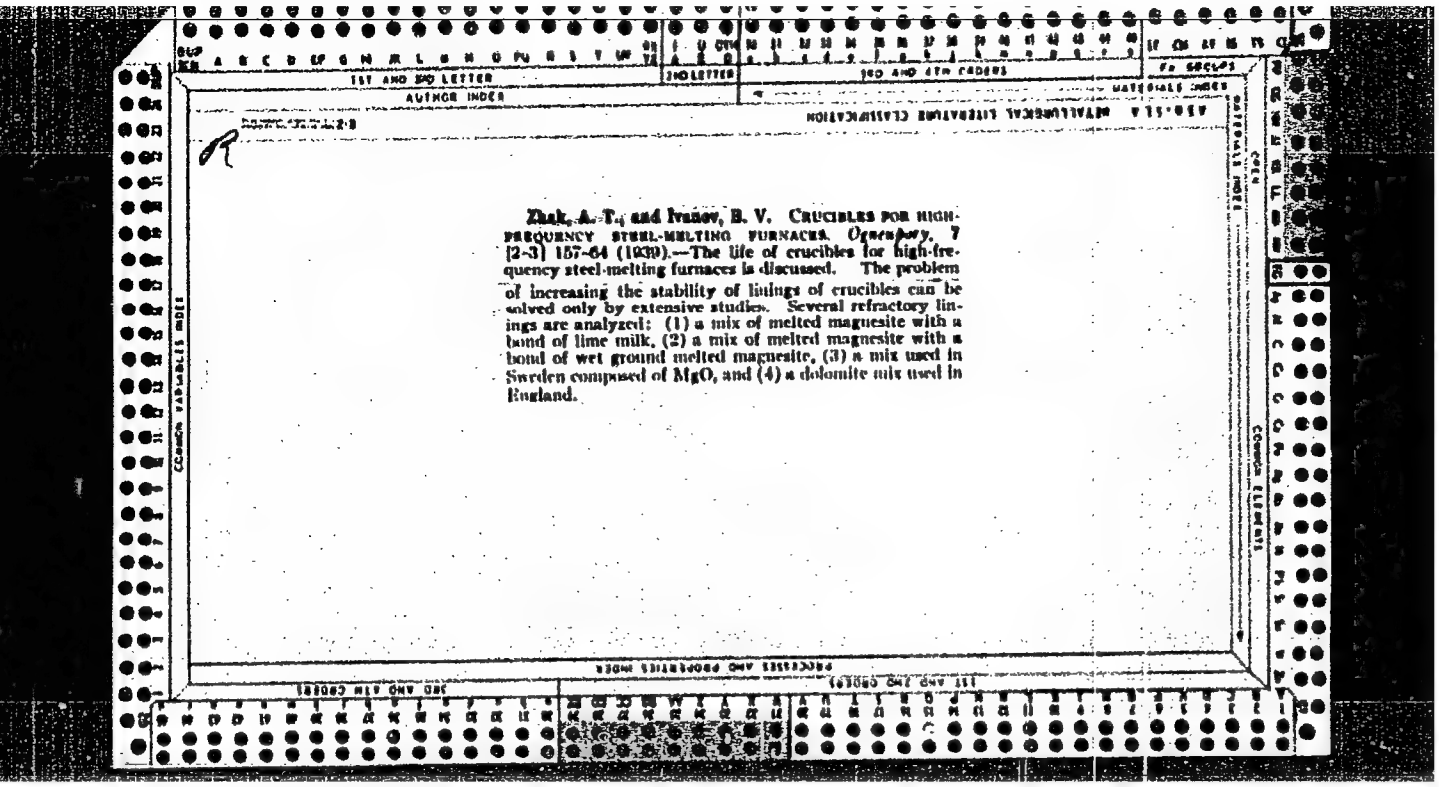

Zhak, A. T., and Ivanov, B. V. CRUCIBLES FOR HIGH-FREQUENCY STEEL-MELTING FURNACES. *Ogneupory*, 7 [2-3] 157-64 (1939).—The life of crucibles for high-frequency steel-melting furnaces is discussed. The problem of increasing the stability of linings of crucibles can be solved only by extensive studies. Several refractory linings are analyzed: (1) a mix of melted magnesite with a bond of lime milk, (2) a mix of melted magnesite with a bond of wet ground melted magnesite, (3) a mix used in Sweden composed of MgO, and (4) a dolomite mix used in England.

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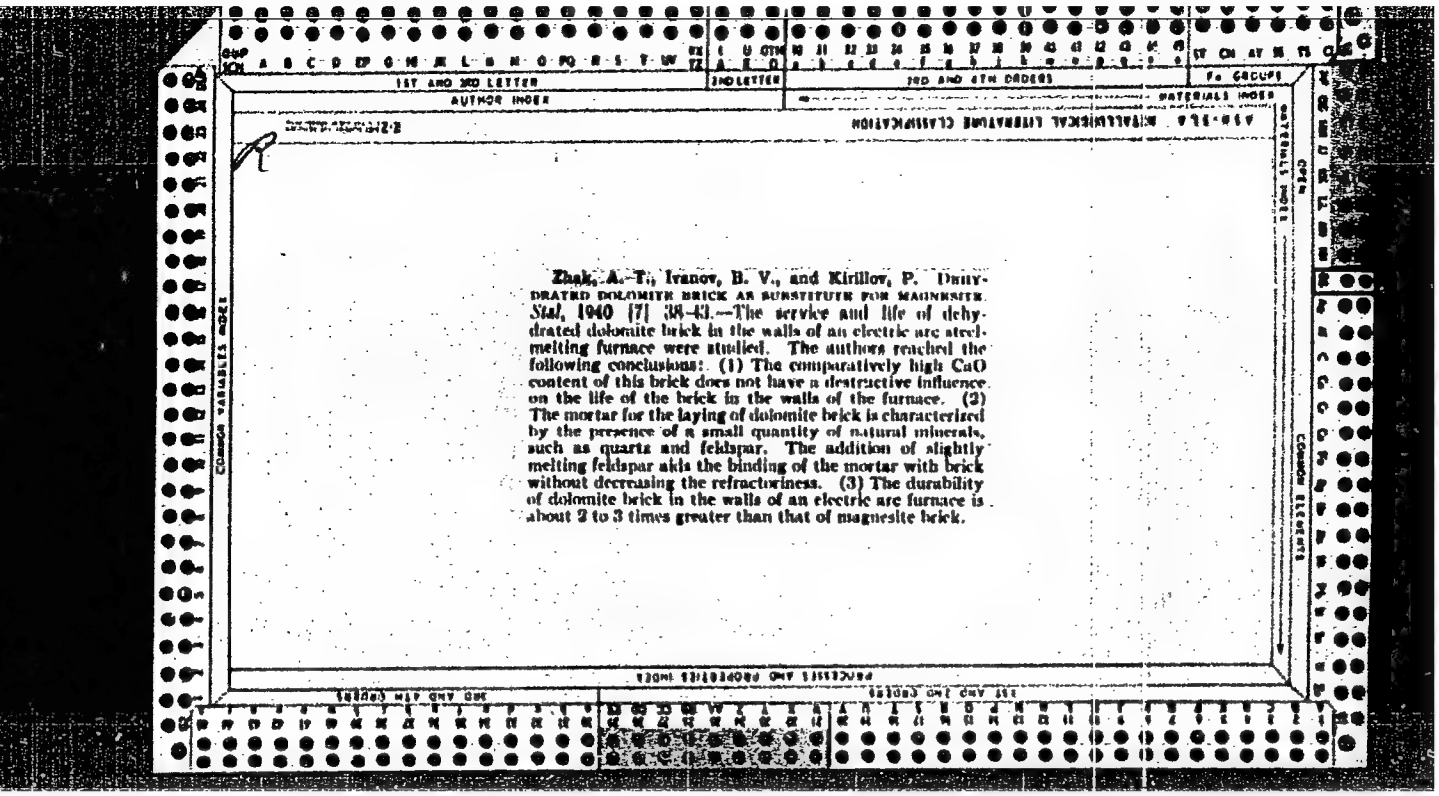

Zhak, A.-T., Ivanov, B. V., and Kirillov, P. Dehydrated dolomite brick as substitute for magnesite. *Stal*, 1940 [7] 38–43.—The service and life of dehydrated dolomite brick in the walls of an electric arc steel-melting furnace were studied. The authors reached the following conclusions: (1) The comparatively high CaO content of this brick does not have a destructive influence on the life of the brick in the walls of the furnace. (2) The mortar for the laying of dolomite brick is characterized by the presence of a small quantity of natural minerals, such as quartz and feldspar. The addition of slightly melting feldspar aids the binding of the mortar with brick without decreasing the refractoriness. (3) The durability of dolomite brick in the walls of an electric arc furnace is about 2 to 3 times greater than that of magnesite brick.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ASMAYEV, A.; ZHAK, B.

High-frequency amplifier for the "Baltika" radio receiver.
Radio no.5:53 My '55. (MLRA 8:6)
(Amplifiers, Electron tube)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

AUTHOR: Zhak, D. SOV-2-58-9-10/15

TITLE: V.I. Isakov, M.A. Korolev "Planning of Mechanized Calculation - Gosstatizdat, 1957, 244 pages (V.I. Isakov, M.A. Korolev, Proyektirovaniye mekhanizirovannogo ucheta - Gosstatizdat, 1957, 244 str.)

PERIODICAL: Vestnik statistiki, 1958, Nr 9, p 67 - 71 (USSR)

ABSTRACT: This is a review of the above-mentioned book.

Card 1/1

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, D. K.

USSR/Mathematics - Equations, Integral
Mathematics - Operational Theory

Oct 1947

"Calculation of the Operator Stages of Liebmann and Gershgorin and Their Application to the Mechanical Integration of Equations," S. S. Kovner, D. K. Zhak, 4 pp

"Dok Akad Nauk SSSR" Vol LVIII, No 1

Describes method of approximate integration with aid of operator stages, which is claimed to create new basis for practical solution of series of basic problems of mathmatical physics. Submitted by Academician A. N. Kolmogorov, 4 Apr 1947.

PA 52T44

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, D.; TIRZBANURT, T.

Calculating Machines

State of mechanization in accounting and calculating, Vest. stat, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, David Konstantinovich; SIDELKIN,N.P., redaktor; GRYAZNOV,V.I., tekhnicheskiy redaktor; MELENT'YEV,A.M., tekhnicheskiy redaktor

[Experience in mechanizing accounting in collective farms and machine-tractor stations] Opyt mekhanizatsii ucheta v kolkhozakh i MTS. Moskva, Gos. statisticheskoe izd-vo, 1955. 61 p. (Calculating machines) (MLRA 9:3)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ISAKOV, Vasiliy Ivanovich; KOROLEV, Mikhail Antonovich; ZHAK, D.K., kand. ekon. nauk, retsenzent; TVERDOKHLEB, N.G., retsenzent; CHIZHEVSKAYA, K.M., red.

[Principles of designing the mechanization of accounting and planning work] Osnovy proektirovaniia mekhanizatsii uchetno-planovykh rabot. Moskva, Statistika, 1965. 250 p. (MIRA 18:5)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

BELAVENTSEVA, G.N., BOGATOVA, G.P., LEVINA, S.S., NASEDKINA, B.A., FOMINA, Ye.N., red.; ABRIKOSOVA, F.S., red.; AMBARTSUMYAN, red.; VASILEVSKAYA, V.A. red.; DROZDOVA, N.N., red.; ZHAK, D.K., red.; KOPELOVA, G.I., red.; LEVASHEVA, Z.P., red.; SMIRNOVA, B.A., red.; TIMOSHENKO, G.G., red.; KHRENKOVA, A.A., red.; KHELEMSKAYA, L.M., tekhn.red.

[Catalog for district libraries. Classes: Natural sciences - 5; Medecine- 61; Geography - 91] Katalog raionnoi biblioteki. Otdely: 5 estestvoznanie, 61 meditsina, 91 geografia. Izd. 3., dop. i perer. Moskva, 1958. 215 p. (MIRA 11:8)

1. Moscow. Publichnaya biblioteka.
(Bibliography--Medicine) (Bibliography--Geography)
(Bibliography--Science)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZASTENKER, Grigoriy Semenovich; ZHAK, D.K., kand. ekon. nauk, red.; PRIVEZENTSEVA, A.G., red.; PYATAKOVA, N.D., tekhn. red.

[Planning machine accounting with the use of digital punched card machines] Proektirovanie mekhanizirovannogo ucheta s primeneniem tsifrovykh schetno-perforatsionnykh mashin; uchebnoe posobie dlia podgotovki proektirovshchikov mekhanizirovannogo ucheta. Moskva, Gosstatizdat, 1963. 487 p. (MIRA 16:8)

(Machine accounting) (Punched card systems)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ABRIKOSOVA, F.S.; AMBARTSUMYAN, Z.N.; VASILEVSKAYA, V.A.; DROZDOVA, N.N.; ZHAK, D.K.; KESSENIKH, V.N.; KOPELOVA, G.I.; LEVASHEVA, E.P.; SMIRNOVA, B.A.; TIMOSHENKO, G.G.; KHRENKOVA, A.A.; KHOVANSKIY, I.P., tekhn.red.

[Catalog of a district library] Katalog raionnoi biblioteki. Section 6:[Technology] Tekhnika. Izd. 3., dop. i perer. Moskva, 1958. 263 p. (MIRA 12:2)

1. Moscow. Publichnaya biblioteka. (Bibliography--Technology)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

VOINOV, M.S.; KIRILLOV, G.N.; KOZLOVA, M.M.; CHZHAO, A.Ye. [Chao, A.E.]; ABRIKOSOVA, F.S., red.; AMBARTSUMYAN, Z.N., red.; VASILEVSKAYA, V.A., red.; DROZDOVA, N.N., red.; ZHAK, D.K., red.; KHSSHNIKH, V.N., red.; KOPELOVA, G.I., red.; LEVASHEVA, Z.P., red.; SMIRNOVA, B.A., red.; TIMOSHENKO, G.G., red.; KHRENKOVA, A.A., red.; KHELIMSKAYA, L.M., tekhn. red.

[Catalog for district libraries] Katalog raionnoi biblioteki. Sec.63. [Agriculture] Sel'skoe khoziaistvo. Izd.3., dop. i perer. Moskva. 1957. 163 p. (MIRA 11:8)

1. Moscow. Publichnaya biblioteka.
(Bibliography--Agriculture)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, G.

ZHAK, G. Achievements and shortcomings of the Radio Club of Khaskovo District. p.8.

Vol. 4, no. 10, 1955
RADIO
TECHNOLOGY
Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, G.

Concerning the Achievements and Weaknesses of the Khaskovo Country Radio Club. "RADIO" Ministry of Communications, #10:8:Oct. 55

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

CHAT, G.

PAGE 1 BOOK EXPLOITATION SOV/4548

Akademiya nauk SSSR. Komissiya po fiziko-khimicheskim osnovam proizvodstva stali

Primeneniye vakuuma v metallurgii (Use of Vacuum in Metallurgy) Moscow, Izd-vo AN SSSR, 1960. 334 p. Errata slip inserted. 4,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova. Komissiya po fiziko-khimicheskim osnovam proizvodstva stali.

Resp. Ed.: A.M. Samarin, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: G.M. Matveyeva; Tech. Ed.: S.G. Markevich.

PURPOSE: This collection of articles for technical personnel interested in recent studies and developments of vacuum steelmaking practice and equipment.

COVERAGE: The book contains information on steel melting in vacuum induction furnaces, and vacuum arc furnaces, reduction processes in vacuum, and degassing of steel and alloys. The functioning of apparatus and equipment, especially vacuum furnaces and vacuum booster pumps is also analyzed. Personalities are mentioned in connection with some of the articles and will appear in the table of contents. Three articles have been translated from English. Some of the

Card 1/5 [illegible] Republic, Institute of Iron Metallurgy in Ostrava. Determination of Ferrochrome in Vacuum 124

Ledorov, V.P., and F.I. Shamrey. Physicochemical Principles of Vacuum-Thermic Methods of Treating Titanium 137

PART IV. DEGASSING OF STEEL AND ALLOYS

Morik, L.Ye., A.I. Lobatch, and A.M. Samarin. Vacuum Treatment of Bessemer Steel 115

Kazantsev, M.F., and G.S. Trubnov. The Effect of Vacuum Treatment in Ladle on the Properties of Basement Mill Steel 151

Gvozdyuk, L.I., and T.D. Kolobov. The Effect of Vacuum Treatment in Ladle on the Weldability of Basement Constructional Steel 156

Otto, G.A., G.A. Sokolov, L.A. Andreiko, Han Zaowen, Yu.A. Pavlov, and K.G. Lepshov. Use of Vacuum for Improving the Quality of Alloyed Steels 166

Matveyenkov, I.I., and T.D. Shirokov. Some Theoretical and Practical Problems of Steel Degassing 178

Chuyko, I.M., A.F. Tverdovskiy, and V.I. Lakhtin. The Effect of Vacuum Treatment of Metal Pouring on the Quality of Ingot Steel (The work was performed by the Deoxycarbonity metallurgicheskiy institut (Deoxycarbonity Metallurgical Institute) and the "Dneprospetsstal'" (Dnepr Special Electrical Steel Mill, in Zaporozh'ye) with the participation of engineers V.B. Bakhrushkiy, M.P. Kovalenkov, T.M. Bobkov, L.U. Garnets, A.F. Mel'nik, N.F. Shevtil', A.I. Khitrik, P.A. Zhalo, N.P. Valavitsh and G.P. Perkhunenko) 189

Kolokoltsev, V.I., and P.M. Kononenko, A.F. Glazov, L.I. Petrov, M.G. Chukreyev, P.M. Denisov and I.N. Shirinin. Vacuum Treatment of Boiler Steel and of Shell Steel [U.S. Steps, L.S. Klimenko, Transformer V.I. Morgata, V.Ye. Pavlenenko and F.I. Mirnov participated in the work] 196

Bitskiy, P.F., L.M. Mel'nikov and M.Ye. Rozenblat. Investigation of Vacuum-Treated Steel for Castings 205

Dalinger, A., and S. Klechka. Czechoslovak People's Republic, Pilsen Plant Ingot Lenin]. Use of Vacuum for Raising the Quality of Aluminum Alloys 211

Card 2/5 Czechoslovak People's Republic, Institute of Iron Metallurgy in Ostrava]. Vacuum Melting and Pouring of Alloyed Carbon Steel 219

Bochvar, I.I., B.A. Kazarov and A.M. Samarin. Desulfurization of Molten Iron Alloys in Vacuum 223

Vlchkov, A.F., and V.P. Kondakov. Destruction of Nonmetallic Inclusions in the Vacuum Treatment of Steel 230

Dritsa, I.Ya., B.A. Kazarov and A.M. Samarin. Investigation of the Kinetics of Steel Decarburization in Vacuum by Means of a Mass Spectrometer 243

Dmitriyev, V.I., O.A. Yeryin and B.N. Leninskiy. The Effect of Hydrogen and Nitrogen on the Activity of Silicon in Molten Cast Iron 248

Kazarov, B.A. Investigation of Gas Liberation and Penetrability of Ceramics in Vacuum 251

Card 3/5

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I. YE. PA 192T64

USSR/Mathematics - Series, Convergence of 1951

"Absolute Convergence of Binary Fourier Series," I. Ye. Zhak, Stalingrad Pedagogic Inst

"Soob Ak Nauk Gruz SSR" Vol XII, No 3, pp 129-133

Hardy's theorem on the convergence of a sum of coeffs of Fourier-Lebesgue function f(x) is shown to be applicable to binary Fourier-Lebesgue series in a definite sense. Submitted 14 Oct 50 by V. D. Kupradze, Act Mem, Acad Sci Georgian SSR.

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I.Ye.

Žak, I. E. On Riemann summability of double numerical series. Soobščeniya Akad. Nauk Gruzin. SSR 13, 587–593 (1952). (Russian)

A double series $\sum a_{m,n}$ is evaluable to L by the Riemann method $R(2, 2)$ if $\lim_{x,y\to 0} f(x, y) = L$ where

$$f(x, y) = \sum_{m,n=0}^{\infty} \left(\frac{\sin mx}{mx}\right)^2 \left(\frac{\sin ny}{ny}\right)^2 a_{m,n}$$

and is restrictedly evaluable to L if, for each $\lambda > 1$, $f(x, y) \to L$ as $x, y \to 0$ subject to the restriction $\lambda^{-1} < |x/y| < \lambda$. Some convergent series $\sum a_{m,n}$ having unbounded partial sums $S_{m,n}$ fail to be evaluable $R(2, 2)$. It is shown that if $\sum a_{m,n}$ converges to S and if constants K, α, β exist such that $0 < \alpha, \beta < 1$ and $|S_{m,n}| < K(m+1)^{\alpha}(n+1)^{\beta}$, then $\sum a_{m,n}$ is restrictedly evaluable $R(2, 2)$ to S. *R. P. Agnew.*

Mathematical Reviews
Vol. 14 No. 11
Dec. 1953
Analysis

Stalingrad Pedagog. Inst. im. S. A. Serymovich

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I. Ye.

PA 237T80

USSR/Mathematics - Binary Series Nov/Dec 52

"Conjugate Binary Trigonometric Series," I. Ye. Zhak, Stalingrad

"Matemat Sbor" Vol 31 (73), No 3, pp 469-484

Generalizes A. Zygmund's study of ordinary Fourier series $f(x)$ and its conjugate $\bar{f}(x)$ to subject case. Concludes that results obtained can be transfered to trigonometric series of arbitrary multiplicity. States that Zygmund's study of the single case is of sufficient thoroughness. Considers problem of uniform convergence of binary case. Submitted Jan 52.

237T80

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I. YE.

USSR/Mathematics - Adjoint Functions 21 Dec 52

"A Theorem of L. Cesari on Adjoint Functions of Two Variables," I. Ye. Zhak, Stalingrad Agricultural Inst

"DAN SSSR" Vol 87, No 6, pp 877-880

Until recently only one work, due to Cesari, has been devoted to properties of adjoint functions of two variables. Recently it was established that the principal theorem of this work is incorrect (proved in this article). At the same time it is demonstrated that I. I. Privalov's well known theorem

240T85

for two variables (cf. A. Zygmund, Trigonometric Series) does not generally hold true. Presented by Acad M. A. Lavrent'yev 29 Oct 52.

240T85

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

FD-1022

USSR/Mathematics - Summation of double series

Card 1/1 Pub. 64 - 2/9

Author : Zhak, I. Ye. (Stalingrad), and Timan, M. F. (Dnepropetrovsk)

Title : Summation of double series

Periodical : Mat. sbor., 35(77), No 1, 21-56, Jul-Aug 1954

Abstract : The authors remark that the problems of the summation of multiple series have been still little investigated. In the present work they discuss the new concepts of bounded regularity and bounded summability in connection with a study of the (C,a,b) and (A) summations of double numerical series. They also discuss the problems of summing double trigonometric series, particularly double Fourier-Lebesgue series. Seventeen references, 11 USSR (e.g. A. S. Bezlyudnyy, Dissertation, Dnepropetrovsk, 1949; V. G. Chelidze, Soobshch. AN GruzSSR, VIII, No 6 (1947); I. I. Ogiyevetskiy) and 6 Western (e.g. G. Robinson, 1926; K. Knopp, 1939; M. T. Cheng, 1942; O. Szasz, 1942; B. Prasad, 1933).

Institution : --

Submitted : 15 December 1952

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I. E.

USSR/ Mathematics - Conjugated functions

Card : 1/1

Authors : Zhak, I. E.

Title : Zygmund's theorem on conjugated functions

Periodical : Dokl. AN SSSR, 97, Ed. 3, 387 - 389, July, 1954

Abstract : Formulates I. I. Privalov's theorem for 2π-periodic functions, $f(x) \in \mathrm{Lip}\,\alpha$, when $0 < \alpha < 1$, and functions conjugated with the f(x). Formulates the Zygmund theorem on the same functions. States that the Zygmund theorem is used in cases where $\alpha = 1$, when Privalov's theorem has no meaning. The author proves that Zygmund's and Privilov's theorems are not applicable to conjugated functions with two variables. Four references.

Institution : A. S. Serafimovich Pedagogical Institute in Stalingrad

Presented by : A. N. Kolmogorov, Academician, May 12, 1954

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I.Ye.

Applications of S.N.Bernshtein's and I.I.Privalov's theorems.
Soob.AN Gruz.SSR 16 no.3:185-190 '55. (MLRA 9:7)

1.Stalingradskiy gosudarstvennyy pedagogicheskiy institut imeni A.S.Serafimovicha. Predstavleno deystvitel'nym chlenom Akademii V.D.Kupradze.
(Trigonometrical functions)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

L 25631-66 EWT(d) IJP(c)

ACC NR: AP6016070 SOURCE CODE: UR/0251/65/039/001/0015/0019

AUTHOR: Zhak, I. Ye.

ORG: Volgograd Institute for City Management Engineers (Volgogradskiy institut inzhenerov gorodskogo khozyaystva)

TITLE: Properties of conjugate functions of two variables in the metric L_p (p is equal to or greater than 1)

SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 1, 1965, 15-19

TOPIC TAGS: mathematics, function

ABSTRACT: This article is a presentation of a proof of the following theorem: If the function $f(x,y)$ (2π-periodic with respect to each of the variables) satisfies the following condition in the quadrant B_0: $0 \leq x \leq 2\pi$, $0 \leq y \leq 2\pi$

$$\chi(\delta_1, \delta_2; f) = O(\delta_1^{\alpha} \delta_2^{\beta}) \qquad (\delta_1, \delta_2 \to 0),$$

where $0 < \alpha, \beta < 1$, $p \geq 1$), then $\bar{f}(x,y)$ also satisfies this condition in the entire rectangle Q: $\varepsilon_1 \leq x \leq 2\pi - \varepsilon_1$, $\varepsilon_2 \leq y \leq 2\pi - \varepsilon_2$ ($0 < \varepsilon_1, \varepsilon_2 < \pi$).

This paper was presented by Academician V. D. Kupradze. Orig. art. has: 10 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 24Aug64 / ORIG REF: 001

Card 1/1 FV

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, I.Ye.

Properties of adjoint functions of two variables in the L_p ($p>1$) metric. Soob. AN Gruz. SSR 39 no.1:15-19 Jl '65. (MIRA 18:10)

1. Volgogradskiy institut inzhenerov gorodskogo khozyaystva. Submitted August 24, 1964.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, Isaak Yefimovich; VILENKIN, N.Ya., prof., red.; NEMTSOVA, L.G., red.; KORNEYEVA, V.I., tekhn.red.

[Differential calculus; textbook for pedagogical institutes] Differentsial'noe ischislenie; uchebnoe posobie dlia pedagogicheskikh institutov. Pod red. N.IA.Vilenkina. Moskva, Gos. uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 403 p. (MIRA 13:2)

(Calculus, Differential)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

L 24472-66 EWT(m)/EWP(w)/T/EWP(t) IJP(c) JD/GS
ACC NR: AT6010575 (N) SOURCE CODE: UR/0000/65/000/000/0064/0072

35
BH

AUTHOR: Pogrebnoy, E. N.; Zhak, K. M.

ORG: Dnepropetrovsk Metallurgical Institute (Dnepropetrovskiy metallurgicheskiy institut)

TITLE: Intergranular deformation and fracture

SOURCE: AN UkrSSR. Mekhanizm plasticheskoy deformatsii metallov (Mechanism of the plastic deformation of metals). Kiev, Naukova dumka, 1965, 64-72

TOPIC TAGS: crystal deformation, ferroalloy, silicon alloy, material fracture

ABSTRACT: The authors study changes in dislocation structure during intergranular deformation and fracture and the possibilities for intergranular fracture in the early stages of deformation in alloys where the fractures may be decorated by graphite which is segregated more rapidly on the surfaces of pores and cracks than in a dense matrix. Specimens of ferrosilicon with 0.028-0.35% C and 2.90-3.35% Si were hardened and quenched in water. The specimens were 20 mm in diameter. Rapid cooling caused high thermal stresses resulting in considerable deformation. The

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specimens were annealed at 650, 700, 750 and 800° with holding from 1 to 24 hours. Analysis of the dislocation structure in annealed specimens showed that intergranular deformation is accompanied by considerable accumulation of dislocations at the grain boundaries. The dislocations form complex patterns in boundary regions and at points where 3 grains come together. Intergranular deformation penetrates deeply into the crystal. The nature of the intergranular deformation is complicated by twins or slip bands at the contact boundary between 2 or 3 grains. At points of juncture between a twin and an intergranular boundary, "flare-shaped" plastic deformation regions are observed which spread out from the juncture deep into the adjacent grain. These flares consist of fibrous and branching slip lines which are characteristic for metals with a bcc lattice. The dislocation density in these zones is high and irregular. The experimental data indicate that cracks may be formed during intergranular deformation. The dislocations which accumulate at the grain boundaries during intergranular deformation and fracture are due to sources located close to the grain boundaries. Orig. art. has: 6 figures.

SUB CODE: 11/ SUBM DATE: 04Sep64/ ORIG REF: 005/ OTH REF: 004

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

GUREVICH, M.E., inzh.; ZHAK, L.B., inzh.

Economic efficiency of technological processes in forging.
Vest.mashinostr. 45 no.11:74-77 N '65.

(MIRA 18:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, L.I. (Chelyabinsk)

Organization of cosmetic aid in Chelyabinsk Province. Vest. derm. i ven. 38 no.3:73-74 Mr '64. (MIRA 18:4)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, L.Y.

ANDREYEV, Georgiy Ivanovich; ZHAK, Lyubov' Yefimovna; POPELLO, A.P., red.; GORDEYCHIK, G.M., red.; KOGAN, V.V., tekhn. red.

[Machine for separating fibers from waste] Mashina dlia vydeleniia volokna iz uliuka. Pod red. A.P. Popello. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1958. 27 p. (MIRA 11:7)
(Cotton gins and ginning)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

GLAVATY, V. [Hlavaty,V.]; ZHAK, M. [Zak, M.]

Possibility of determining the response of the organism to small doses of ionizing radiation by examination of the phosphene threshold of the retina. Med. rad. 8 no.11:47-50 N '63.

(MIRA 17:12)

1. Iz meditsinskogo fakul'teta Biofizicheskogo instituta Karlova universiteta, Praga.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ACCESSION NR: AP4003130 S/0241/63/008/011/0047/0050

AUTHOR: Glavaty#, V.; Diyenstbiyer, Z. (Docent, Doctor of medicine); Zhak, M.

TITLE: Possibility of determining the response of an organism exposed to small doses of ionizing irradiation by estimating the phosphene threshold of the retina

SOURCE: Meditsinskaya radiologiya, v. 8, no. 11, 1963, 47-50

TOPIC TAGS: small dose irradiation effect, retina phosphene threshold, phosphene index, phosphene threshold measuring apparatus, Motokawa diagnostic method

ABSTRACT: Experiments were donducted over a 3 month period with 31 coworkers as subjects to test Motokawa's phosphene receptivity threshold method. With this method phosphene threshold values reportedly rise with increased radiation doses. Retina of the subject was electrostimulated and phosphene threshold was measured by a special square pulse source, assembled according to Motokawa's specifications. Phosphene threshold was measured again after the

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ACCESSION NR: AP4003130

subject's eye was X-irradiated with a 50 mr dose. On the basis of many repeated experiments Motokawa's method was found to be highly unreliable for determining a subject's reaction to small radiation doses. Only in 28.57% of the cases could radiation damage be established by a higher phosphene threshold index. Phosphene thresholds are found to fluctuate considerably for the same subject over a relatively short period of time, and phosphene threshold values for all the subjects display a wide range of individual differences. Accuracy of this method cannot be improved because phosphene receptivity is always a subjective process depending on the emotional and physical state of the subject. Orig. art. has: 4 figs.

ASSOCIATION: Meditsinskiy fakul'tet biofizicheskogo institut a Karlova Universiteta, Praga (Medical Department of the Biophysical Institute of Charles University)

SUBMITTED: 03Mar62 DATE ACQ: 20Dec63 ENCL: 00

SUB CODE: AM NO REF SOV: 001 OTHER: 003

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

USTINOV, A.Ya.; ZHAK, N.F.

Using carbon dioxide to combat rodents at the Orekhovo-Zuyevo Cold Storage plant. Khol. tekh. 38 no.6:50-51 N-D '61. (MIRA 15:1)

(Orekhovo-Zuyevo--Cold storage warehouses)
(Rodent control)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, R.M.

Krasov, V.M. (Cand. of Biol. Sci), Fomina, A. Ya., Zhak, R.M., and Kudryavtseva, T.P. (Candidates of Vet Sci).

"Isolation of the Fowl Pseudoplague Virus from Amniotic and Allantoic Fluids of Embryos by the V.I. Tovarnitskiy's Reagent,"

SO: Trud VIEV, Vol 18, 1951.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, R.M. (Cand. Vet. Sci)

"Modifications of the Composition and Properties of the Blood of in Fowl Pseudoplague,"

SO: Trud VIEV, Vol 18, 1951.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, R.M. (Cand. Vet. Sci. Sen. Sci. Assoc., VIEV)

"Prenatal Diagnosis of Paratyphoid of Calves with the Aid of Agglutination Reaction,"

SO: Trud VIEV, Vol 18, 1951.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, R.M.

AGAPOV, S.I.; FOMINA, A.Ya.; ZHAK, R.M.; POLYAKOVA, O.A.

Results of field tests of virus-vaccine against Newcastle disease in poultry. Veterinariia 31 no.2:26-28 F '54. (MLRA 7:2)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Poultry--Diseases)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S., kand.tekhn.nauk

Unified precast reinforced concrete framework for large public buildings. Zhil. stroi. no. 3:10-16 Mr '61. (MIRA 14:4)
(Precast concrete construction) (Public buildings)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S., kandidat tekhnicheskikh nauk.

Progressive construction for Moscow buildings. Stroi. mat., izdel. i konstr. 2 no.8:3-6 Ag '56. (MLRA 9:10)

1. Nachal'nik Tekhnicheskogo otdela Glavmosshelezobetona.
(Moscow--Building)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.

Bubble screen. Znan.sila 31 no.9:32 S '56. (MLRS 9:10)
(Waves, Calming of)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.

It is time to use tower cranes on elevator building projects.
Muk.-elev. prom. 20 no.4:26 Ap '54. (MLRA 7:7)

1. Ukrzagotstroy.
(Grain elevators) (Cranes, derricks, etc.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.M., kand.tekhn.nauk

Efficient construction elements of public buildings for mass construction. Izv.ASiA no.3:99-120 '59.
(MIRA 13:6)
(Public buildings) (Precast concrete construction)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.M., kandidat tekhnicheskikh nauk.

Temper and rated strength of concrete in precast reinforced and plain concrete elements. Bet.i zhel.-bet. no.11:404-405 N '56.
(Concrete) (MLRA 9:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S. M.

32449. Shlyapin, B. B. Eksperimental'nyy kirpichnyy dvukhetazhnyy dom v Likhoborakh. Materialy i konstruktsii v sovrarkhitekture, No. 3, 1949, s. 75-83.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.M., kand.tekhn.nauk

Precast concrete framework with compound joints for structures serving various purposes. Izv.ASiA 4 no.1:63-72 '62. (MIRA 15:11)
(Precast concrete construction)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S. P.

N-Contagion Hospital, (-1944-).

"Weil-Felix's reaction in one vaccinated with Krontovskaya's typhus vaccine."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 1-2, 1944.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

Utilization of antibacteriophagic serum for improved method of bacteriologic diagnosis of dysentery. Mikrobiol. zh., Kiev 15 no.1: 72-76 1953. (CIML 25:5)

1. Of the Department of Microbiology of Odessa Medical Institute.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

USSR

The effect of Clostridium perfringene toxin on phagocytosis. S. M. Minervin, K. I. Chervyakova, and S. P. Zhak (Sci. Research Inst. Vaccine and Serums, and Med. Inst., Odessa). *Mikrobiol. Zhur., Akad. Nauk Ukr. R.S.R.* 16, No. 3, 85-9(1954)(Russian summary).—*C. perfringens* toxin, 18 days old, lowers the phagocytic properties of leucocytes of guinea pigs and rabbits. Specific antitoxic serum restores the level of phagocytosis in some instances. The degree of phagocytic activity depression differs with the toxins of different perfringens strains. Heat-inactivated toxin has no effect on the phagocytic properties of leucocytes. Rabbit leucocytes are more sensitive to the toxin than are those of guinea pigs. The unfavorable effect on phagocytosis of perfringens toxins 5 and 48 hours old is slight.

B. S. Levine

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

MINERVIN, S.M.; ZHAK, S.P.; CHERVYAKOVA, K.I.

Effect of tissue extracts from areas injured by gas infection on phagocytosis. Mikrobiol.zhur. 16 no.4:78-81 '54. (MLRA 10:1)

1. Z Kafedri mikrobiologii Odes'kogo medichnogo institutu.
(PHAGOCYTOSIS) (GANGRENE) (TISSUE EXTRACTS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

MINERVIN, S.M.; ZHAK, S.P.; CHERVYAKOVA, K.I.

Observations on the sensitizing action of botulin toxin. Zhur. mikrobiol.epid.i immun. no.5:48-53 My '55. (MLRA 8:7)

1. Iz kafedry mikrobiologii (zav. prof. S.M.Minervin) Odesskogo meditsinskogo instituta imeni Pirogova (dir.-prof. I.Ya.Deyneka) i Odesskogo instituta vaktsin i syvorotok imeni I.I.Mechnikova (dir.-dotsent N.D.Anina-Radchenko).
(TOBULISM,
toxin, sensitizing action)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

MINERVIN, S.M.; ZHAK, S.P.

Studies on the role of Bac. oedematiens toxin in experimental gas gangrene; effect of the toxin on phagocytosis. Mikrobiol. zhur. 17 no.2:22-28 '55 (MLRA 10:5)

1. Z kafedri mikrobiologii Odes'kogo medichnogo institutu.
(CLOSTRIDIUM, infections,
novyi, causing exper. gangrene, eff. of toxin on phagocytosis) (Uk)
(GAS GANGRENE, experimental,
prod. with Clostridium novyi, eff. of toxin on phagocytosis)
(PHAGOCYTOSIS,
eff. of Clostridium novyi toxin in exper. gas gangrene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

Combined action of hemotoxins of Clostridium perfringens and oedematiens. Zhur.mikrobiol.epid. i immun. 27 no.12:61-64 D '56. (MLRA 10:1)

1. Iz kafedry mikrobiologii Odesskogo meditsinskogo instituta imeni N.I.Pirogova.

(ESTERASES,
Clostrium perfringens toxin with hemotoxin of Cl. oedenatiens, hemolytic action (Rus))
(CLOSTRIDIUM,
oedenatiens toxin, with Cl. perferingens toxin, hemolytic action (Rus))
(HEMOLYSIS,
by Clostrium perfreingens with Cl. oedematiens toxins (Rus))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

Combined effect of toxins of Clostridium perfringens and Vibrion septique. Zhur.mikrobiol.epid. i immun. 28 no.6:73-78 Je '57.
(MIRA 10:10)

1. Iz kafedry mikrobiologii Odesskogo meditsinskogo instituta imeni N.I.Pirogova.

(CLOSTRIDIUM PERFRINGENS,
toxin, combined eff. with Cl. septicum toxin (Rus))
(CLOSTRIDIUM,
septicum toxin, combined eff. with Cl. perfringens toxin (Rus))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

MINERVIN, S.M.; ZHAK, S.P.

Combined effect of hemotoxins of Clostridium perfringens and oedematiens in the organisms of experimental animals. Zhur. mikrobiol.epid. i immun. 28 no.11:99-103 N '57. (MIRA 11:3)

1. Iz Odesskogo meditsinskogo instituta imeni Pirogova.
(CLOSTRIDIUM PERFRINGENS,
toxin, eff. on animal organism, with Clostridium oedematiens toxin (Rus)
(CLOSTRIDIUM,
oedematiens toxin, eff. on animal organism, with Clostridium perfringens toxin (Rus)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

MINERAVIN, S.M.; ZHAK, S.P.

Observations on specific therapy of mixed experimental infection caused by Clostridium perfringens and oedematiens. Zhur. mikrobiol. epid. i immun. 41 no.3:114-118 Mr '64. (MIRA 17:11)

1. Odesskiy meditsinskiy institut imeni Pirogova.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

ZHAK, S.P.

Some data in favor of the enzymatic nature of the toxins of Clostridium perfringens and oedematiens. Zhur. mikrobiol., epid. i immun. 42 no.11:65-69 N '65. (MIRA 18:12)

1. Odesskiy meditsinskiy institut imeni Pirogova. Submitted April 6, 1964.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

L 27198-66 EWT(1)/T JK

ACC NR: AP6017457 SOURCE CODE: UR/0016/66/000/001/0115/0117

AUTHOR: Minervin, S. M.; Zhak, S. P.

ORG: Odessa Medical Institute im. N. I. Pirogov (Odesskiy meditsinskiy institut)

TITLE: Effect of Aspergillus terricola protease on the lethal properties of type A Clostridium perfringens toxin

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 1, 1966, 115-117

TOPIC TAGS: enzyme, mouse, bacteriology, bacteria

ABSTRACT: Aspergillus terricola protease was added to Cl. perfringens, type A, in five series of in vitro and three series of in vivo tests to prove the theory that exotoxins intensify the effects of toxins by transforming inactive protoxins into active toxins, an hypothesis based on the fact that certain toxins, particularly those of gas bacilli, are complexes of various enzymes. No clear results were obtained from the in vitro tests. The toxin and enzyme were dissolved in buffer solutions of pH 5.0, 7.0 and 8.5, and administered to white mice intravenously either immediately or after 15, 30, 60, 90 or 120 minutes in a thermostat. Doses were 1, 0.6 and 0.25 Dlm. At pH 5.0 and 7.0 Aspergillus terricola protease intensified the lethal effects of Cl. perfringens, Type A, when administered immediately and after 15 and 30 minutes in the thermostat. The toxin partially disintegrated at pH 8.5 and with periods in the thermostat of one hour or more. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 14Jan65 / ORIG REF: 015 / OTH REF: 006

Card 1/1 UDC: 576.851.555.097.29.097:21:582.282.123.4-119:577.156.7

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

E 28426-66 EWT(1)/T JK

ACC NR: AP6019116 SOURCE CODE: UR/0016/65/000/011/0065/0068

AUTHOR: Zhak, S.P.

ORG: Odessa Medical Institute im. N. I. Pirogov (Odesskiy meditsinskiy institut)

TITLE: Some evidence in favor of the enzymatic nature of Clostridium perfringens and oedematiens toxins

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 11, 1965, 65-68

TOPIC TAGS: enzyme, bacteria, bacteriology

ABSTRACT: The hemolytic and lethal activity of some dry Cl. perfringens toxins was intensified by one hour of incubation at 37°. Elevation of the temperature altered the hemolytic activity of Cl. perfringens and oedematiens toxins and mixtures of the two. The fact that temperature influenced the activity of the toxins was regarded by the author as an indication of their enzymatic nature. The hemolytic and lethal functions of the toxins were destroyed in mixtures incubated for several hours, apparently due to the action of the proteases of these toxins. This is additional proof of their enzymatic nature. Orig. art. has: 4 tables. [JPRS]

SUB CODE: 06/ SUBM DATE: 06Apr64 / ORIG REF: 004/ OTH REF: 009

Card 1/1 UDC: 576.851.555.097.29:577.15

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964520013-0

MINERVIN, S.M.; ZHAK, S.P.

Effect of Aspergillus terricola protease on the lethal properties of the toxin of Clostridium perfringens type A. Zhur. mikrobiol, epid. i immun. 43 no.1:115-117 Ja '66. (MIRA 19:1)

1. Odesskiy meditsinskiy institut imeni N.I. Pirogova. Submitted January 14, 1965.

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Mechanism of striking the welding arc. Svar. proizv. no.2:4-6 F '65. (MIRA 18:3)

1. Rostovskiy-na-Donu institut sel'skokhozyaystvennogo mashinostroyeniya.

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ZHAK, S.V., kand. fiziko-matem. nauk

Designing belt-type grain handling machines. Izv. vys. ucheb. zav.; mashinostr. no.2:115-124 '63. (MIRA 16:8)

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